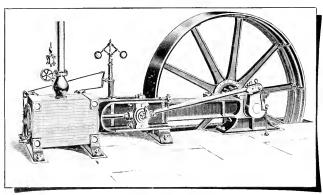
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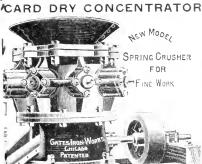
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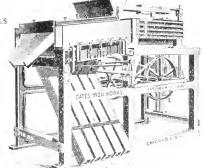
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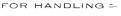
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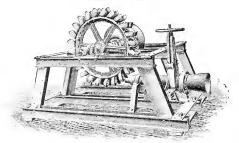
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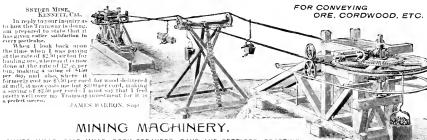
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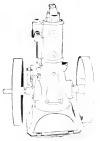
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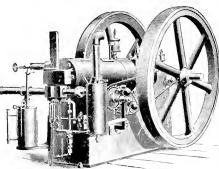
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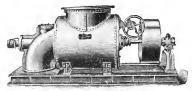
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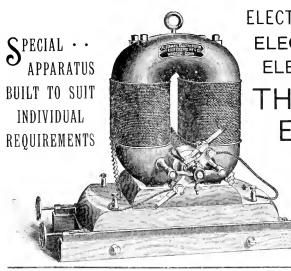
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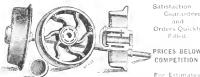
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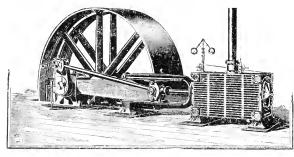
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#### INTRODUCTORY AND EXPLANATORY

In presenting the first volume of The Mining Directory and Reference Book to the public, we beg to state that its publication was undertaken from a belief that the mining and kindred interests of the country were of sufficient importance to warrant such a work, and that a publication of the kind, besides being of especial value to those directly interested, would give the general public an insight into the extent and importance of the great mining industry of America, and would not fail to meet with due appreciation. The many kind words of encouragement and the substantial patronage received fully demonstrate its present need and afford abundant assurance of future success.

The task of compiling the work has been much greater and more costly than anticipated, having required the labor of a large office and field force for twelve months, instead of six, as at first contemplated; and we feel confident that the detailed information herein given will be duly appreciated by our patrons, and especially so by those who have ever undertaken to secure simply a list of names of mining companies and operators.

Great care has been taken to secure accuracy in the compilation, and no pains or expense has been spared to obtain details from all mining companies and operators, blast furnaces, smelters and reduction-works, repeated efforts having been made to that end.

As no name appears in the regular lists unless we have direct information in regard to same on file in our office, supplementary lists are given of those whom we have good reason to believe exist at points named, but who have neglected to furnish the detailed information desired. We have found a large number of alleged mining companies existing solely on paper, having no claim to the name, so far as owning or developing mining properties is concerned, and we have endeavored to leave all such out of the lists, as it is the intention to list only those actively engaged in mining or in a fair way to become so in the near future. As with mining companies, so with blast furnaces, smelters and the other lists given, we have sought to list only companies or individuals actively engaged in the various industries.

The lists of mining engineers, assayers, etc., and of attorneys, contain only the names of persons who have been recommended to us as being reliable and capable in their professions.

The laws have received more than ordinary attention, and will, no doubt, prove one of the most valuable features of the book. The mining codes of the United States, Canada, British Columbia and Mexico are given in full, that of Mexico having been translated from the original Spanish by a member of the DIRECTORY staff, while the digests of the statutes of the states and territories of the United States and the Canadian provinces have been prepared expressly for the work by resident attorneys of known ability.

The classified list of machinery and supply houses is intended to benefit not only our advertisers, but subscribers as well, being arranged in such a manner as to afford a means of ready reference for persons contemplating the purchase of machinery or supplies. In

this connection we will state that it has been our aim to insert only appropriate advertisements of honorable, fair-dealing manufacturers and dealers, it being our intention to debar all objectionable or irrelevant advertisements from the pages of The Directory.

For a full and complete understanding of the lists it will be well always to read the heading at beginning of list or top of page, which explains the contents of the list following, as per example:

	ATION OF	MINE, R ROUTES
AND S	HIPPING	POINT.
Town	AND	COUNTY.

NAME OF COMPARY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, AND UTLET IN TOSS OF 2,000 POUNES, KIND OF POWER USED, NAME WILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Tin Cup Ry. St. Elm	Commison to 776 (9 m.).	Broken Hill Mining & Milling Co., Denver, Colo., 728 Stateenth st. [4, L. Johnson, prest.; James W. Forrest, seey, and trens. Cap. stk. \$1,000,000. Troken Hill, gold, silver. Tunnel (developing).
-		Forest Hill Maning & Milling Co. W. W. Wall, prest.: Laurence Winshermer, seey.: C. A. Fredericks, treas: E. A. Acklerson, mgr., and supt. Cap. stk. \$1,000,000. Sl. Crispin, gold. Shaft, 5,000 tons; tree, water, 60 stamps.
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The above shows sample from the Colorado list of gold and silver mines. In the first column is shown location of mine, which is Tin Cup, Gunnison county. "Ry. St. Elmo 776" shows that the shipping station is St. Elmo, on railway or water-route 776, which, by reference to the Index of Railways and Water-Routes, on page 33, is found to be the Union Pacific railway. While there may be other railways or water-routes at points named than those indicated, only the ones on which the shipping is done is here given. The "(9 m.)" indicates distance of mine from shipping point, "m." being abbreviation for miles. In the second column is given the name of the company or individual; location of principal office when different from that of the mine; product; kind of mine, whether shaft, tunnel, slope or open pit; annual output of ore in tons of 2,000 pounds; kind of ore; kind of power used; number of stamps, etc., and name of mine superintendent. Where the word "(local)" occurs, it indicates that party does no shipping. The other lists will be understood by reference to the headings.

It is intended to issue The Minno Directory annually, and we will feel under obligations to those of our patrons who may be disposed to furnish us information in regard to any matter deserving a place in the book, as it is our desire to make the work a standard guide and reference book for the mining interests of the country.

In conclusion, we tender our sincere thanks for the many kindnesses shown by government officials and individuals connected with mining interests, for valuable information furnished, and to our many patrons for the generous support given the work, which we fully appreciate, and of which we will strive to merit a continuance.

GLO. W. RAMAGE,

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Cincago, III., U. S. A., December, 1802.

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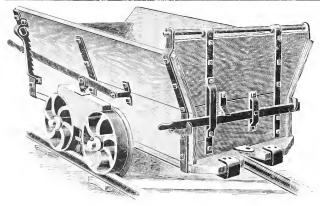
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#### RAILWAYS WATER-ROUTES AND EXPRESS COMPANIES

EXPLANATION. To ascertain on what Railway or Water-Route a shipping point is located, and Express Company to that point, see figures following Ry, in list of Mining Companies and Operators, which rejer to the numbers in this index.

 Brantford, Waterloo & Lake Live Ry - American Express
 Brazes River
 Brazes River
 Breshmidge Co. Ry. Advances on Abbeville & Wayeross Ry. Southern Express Abbotsford & Northeastern Ry. Northern Paedic Express Addrson & Pennsylvania Ry. Wells, Fargo & Co.'s Express, Adrondack & St. Lawrence Ry. American Express Adrondack Ry. National Express Alabama Mullind Ry. Southern Express Operated by Plant system. Branstford, Watermook co...
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Ricolayn, Earli & West End Ry. New York Local Express.

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Durham & Northern Ry. Southern Express.

East & West R. R. of Alabama. Southern Express.

East Broad Top Ry. Adams Express.

Eastern Ohio R. R. American and Baltimore & Ohio Ex-

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Cha. Rock, Ca. Unit S. S. de Aso Pulverszersa

- EDWARD P. ALLIS CO., Mr. Staffer, Wist. Steady., pag. 2.
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  CO., Ceveland, Ohio. Section 1 page 12.
- THE BECKETT FOUNDRY & MACHINE CO., Viling) in  $N(d) = Sec(adv_{\rm t}) + 2e(3dv_{\rm t})$
- BRAOLEY FERTILIZER CO., Berlin Mass. Soc. and
- CHICAGO IRON WORKS, Upo co., Hill Servady, page 21.
  CCPELAND & BACON, Cho. Lo., no New York, Serva V.
- CATES IRON WORKS, the get H. St. adv. page at C. M. KELLER, to page st. Ind. St. adv. page 3.5 ARTHUR KIRK & SON, Pusher 2.1 P. St. adv. page 18. JAMES H. LANCASTER, No. 9 adv. at Secondary page 34.
- RAYMOND BROS. IMPACT PULVERIZER CO., Cheaga.

  18. Sec. A. Inc. |
  SCAIFE FOUNDRY & MACHINE CO., Patsbergh. Pat.
- STURTEVANT MILL CO., Boston, Mass. Secondary programs union foundry & machine works, Rockevan, No. J.
- UNION IRON WORKS. See Brian son, call See uly.
- VULCAN IRON WORKS, San Palmeson, Call. See adv.
- WALBURN-SWENSON CO., Chear all Socialy are 57

#### CUT-OFF COUPLINGS

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#### DERRICKS

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- PENNSYLVANIA DIAMOND ORILL & MANUFACTUR-INC CO., Birdsburg, Par Soung Spage MC
- SULLIVAN MACHINERY CO., Co. Co. 101 St. Contropic 5

#### DIAMONDS

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#### DRAINAGE PUMPS

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THE COULDS MANUFACTURING CO., Sineral Palls,  $\nabla Y_s$  Size adv., page 55a.

#### DRAWING INSTRUMENTS & MATERIALS

EUGENE DIETZGEN & CO., time igo, Mar. Secondy., project. W. & L. E. GURLEY, Troy, N. Y. Secondy., page 9

# DRIVER'S LAMPS

DEMMLER BROTHERS, Pittsburgh, Pa. Secraty, page 54s.

### DUMP CARS

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Story Iso Pitel Son

THE BROWN HOISTING & CONVEYING MACHINE CO., Clevelind, Olio. Secondary  $p_{\rm co} = 31$ .

# DUST PROTECTORS

CIBBS RESPIRATOR CO., Change, III Section of the Sa

#### DUST RESPIRATOR

CIEBS RESPIRATOR CO., Clin Lo. III. Security prize 526

#### DYNAMITE

ACME POWDER CO., Patsburgh Tale Socially, page 348
ÆTNA POWDER CO., Chooled IP Secondy, page 344
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# **EJECTORS**

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### ELECTRIC BLASTING APPARATUS

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# ELECTRIC LIGHT AND POWER MACHINERY

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#### **ELECTRIC LIGHT WIRE**

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#### **ELECTRIC LOCOMOTIVES**

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# **ELECTRIC MINING MACHINERY**

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# ELECTRIC POWER TRANSMISSION PLANTS

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CENERAL ELECTRIC CO., V . V . S. III . . .

# **ELECTRICAL CONSTRUCTION**

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### ELECTRICAL ENGINEERS

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ELECTRICAL ENGINEERING & SUPPLY CO., St. Paul, Minn. See adv., page 532.

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JENNEY ELECTRIC MOTOR CO., Indianapolis, Ind. Sec. adv., page 533.

OSTERLOH SUPPLY CO., Pattsburgh, Pa. See adv., page 541
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# ELECTRICAL MINE PUMPS

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So caso Hoast no Marriet H

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### **ELEVATORS**

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# **EMERY WHEELS**

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# **ENGINES AND BOILERS**

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CHANDLER & TAYLOR CO., Indianapolis, Ind. See adv. page 542.

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UNION IRON WORKS, San Francisco, Cal. See adv., page 567.

WALBURN-SWENSON CO., Chicago, Ill. See adv., page 567.

#### **EXHAUST FANS**

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#### FEED WATER HEATERS AND PURIFIERS

FIELD FEED WATER PURIFIER CO., Ch cago, III. See adv., page 583.

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# FEED WATER NEUTRALIZEP

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#### FREIGHT CARS

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# FRICTION CLUTCHES

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# **FURNACE HOISTS**

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(Blasting and Smelting)

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WALBURN-SWENSON CO., Chicago, Ill. See adv., page 587.

#### FUSE

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#### GAS COMPRESSORS

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# GAS AND GASOLINE APPLIANCES

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### GAS PLANTS

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#### GAS AND VAPOR ENGINES

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PALMER & REY, San Francisco, Cal. Sec adv., page 7.

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WEBSTER MANUFACTURING CO., Chicago, Ill. Sec adv. page 18.

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### GASOLINE ENGINES

OTTO CAS ENCINE WORKS, Philadelphia, Pa. See adv., page 526.

PALMER & REY, San Francisco, Cal. See adv., page 7.
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JOHN SOUTHER & CO., Besten Mass

#### GREASE

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MICHICAN 'EMERY WHEEL CO., Definit, W. C., So ally page 9.

# HAIR FELT

FENLON & CO., Philadelphi Tre See By 6 2 47

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# HARD PAN EXCAVATORS

JOHN SOUTHER & CO., Bost of Misses St. Co. Co.

#### HARDWARE

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#### HEATERS

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#### HOISTING MACHINERY (CONTINUED)

# COPELAND & BACON, Chicago and New York. See adv., page 585.

- HERBERTSON'S SONS, Brownsville, Pa. See adv., page 542.
- THE KING BRIDGE CO., Cleveland, Ohio. See adv., page 28.

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- LITCHFIELD CAR & MACHINE CO., Litchfield, III. See adv., page 536.
- McMYLER MANUFACTURING CO., Cleveland, Olno. See adv., page 13.
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- S. B. STINE, Osceola Mills, Pa. See adv., page 17.
- union foundry & machine works, Rockaway.
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- VULCAN IRON WORKS, San Francisco, Call. Sec. adv., page 7. WALBURN-SWENSON CO., Chicago, Ill. Sec. adv., page 347. WEBSTER, CAMP & LANE MACHINE CO., Altron. Ohio. Sec. adv., page 22.

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- CEO. B. CARPENTER & CO., Chicago, Ill. Sec adv., page 544.
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### HORIZONTAL MINE PUMPS

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  THE CUTTA PERCHA & RUBBER MANUFACTURING
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#### IRON AND STEEL BRIDGES

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BOSTON BRIDGE WORKS, Boston, Mass. See adv., page 532.

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F. H. C. MEY, Buttalo, N. V. Sec., dv., p. 26-541.

# LITHOGRAPHERS

WESTERN BANK NOTE CO., Chelazo V - Security of a Med.

# LOCOMOTIVE AND MACHINERY CASTINGS

THE LIMA LOCOMOTIVE & MACHINE CO., Lane, Ob., Seconds, 1962-20.

#### LOCOMOTIVES

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THE LIMA LOCOMOTIVE & MACHINE CO., I man Observed and page 20

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# LUBRICANTS

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W. W. MONTAGUE & CO., Sci. 1, pp. 27.

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# ROCK DRILLS

CHICAGO IRON WORKS, Cardio II. Section 1942. I INCERSOLL-SERCEANT DRILL CO., New York, N. V.

PARKER, MELCHER & INCRAHAM, Chargo III. Secolar

PENNSYLVANIA DIAMONO DRILL & MANUFACTUR-INC CO., Budshoro, Par S., p. N. mag. 345

RAND DRILL CO., New York (effective age 18 to 18 of 20 at 20 SULLIVAN MACHINERY CO., Cho. Lo. IP 80 and print 5.5

# **ROCK EMERY MILLSTONES**

STURTEVANT MILL CO., JELL W. S. ...

#### ROLL SHELLS

CHROME STEEL WORKS, Book Ch. X. Y. So. B. pose of

#### ROOFS

BERLIN IRON BRIDGE CO., East Berlin, Conn. Our illustrated eatalogue sent tree.

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#### STEAM SHOVELS

JOHN SOUTHER & CO., Boston, Mass. Socials, pare of

#### STEEL AND IRON SHAFTING

So also Shattally, and the same

RICE MACHINERY CO., Che and I see all more all

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#### WATER TUBE BOILERS

THE STIRLING CO., Clair ago III. So the standard

### WATER WHEELS

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#### WATER WORKS

# WELL-DRILLING MACHINERY

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#### WIRE ROPE

Sec. 11. 1

C. W. BADCLEY & CO., The control of the control of

OSTERLOH SUPPLY CO., Piteson J. Pr. Ser altrip go at

#### WOOD STEAM-PIPE COVERING

A. WYCKOFF & SON, 1000 X X

#### WOOD WATER-PIPE

A. WYCKOFF & SON, 1 min N N Son of the state of the state



# MINING LAWS

# THE UNITED STATES OF AMERICA

# AND REGULATIONS THEREUNDER

Section 308 MINERALLANDS RESERVED. In all cases into valuable for munerals shall be posetwort from sale, veep as other mere very large that the many shall be possible to the mean and shall be possible to the mean and the sale of the mean and open face vylocitation and purchase, and the lands of the large data of specific vylocitation and purchase, and the lands of the large shall be sale of the sale of the large shall be sale of the sale of the large shall be sale of the large shall

and what the sance is being possert. At all psomeon dilagence, shall be in clar but failure to be seen the work on the trimed to systemaths shall be consort dars in abundament of the firth the old paths proceedings of the trimed to said trimined. 19 May, 1872, c. 1878. It was all years and the trimed to said trimined, 19 May, 1872, c. 1878. It was all years and the process of the first state of the said of the trimed with the laws of the latter of the state of the trimed will the laws of the latter of states of which the laws of the state of the tritory at which the distinct is standed, government the location, manner of recording, amount of work necessary to hold possession of a human claim, subject to the following requirements. The location must be distinctly fainted, government regarders and to ready the code. All treaties of manne claims be substituted marked on the ground's other its summarisation to ready the code. All treaties of manner of his state of the code of the code of the state of the code of the code of the state of the code of t

in the patent. At the expiration of the sixty days of publication the claumant shall the his altidayit, showing that the plat and notice have been posted in a considerion graineous place on the claum during such period of publication. If no adverse claim shall have been thed with the register and the receiver of the proper land office at the expiration of the sixty days of publication, if shall be assumed that the applicant is entitled to a patent, upon the payment to the proper officer of Seperacic and that nordsees the second of the state of the proper of the proper of the patent, upon the payment to the proper officer of Seperacic and that nordsees the second spiration shall be learned, except at be shown that the supplicant has tailed to comply with the terms of this chapter. To May, Seg. e, 152, 86, 47, 17, 19, 21, 226. Arvivisse CAMP, Proceivings SON, Where an adverse claum is fleed during the period of publication, at shall be

show the nature, boundaries and extent of such adverse claim, and adpress diags, except the publication of notice and making and thing of the athildryn thereof, shall be taxed until the contractsy shall have been settled or decided by a count of competent introduction, or the adverse claim wavoit. It shall be the day or the adverse claim wavoit, it shall be the day or the adverse claim thinty day, after filling his claim, to commerce proceedings in a court of competent musting the day of the first of processing the adverse day of the first of processing the same with parsonable difference to final judgment. and a radine so to do shall be a waiver of his adverse claim.
After such indement shall have been rendered, the party entitled After such flutzment shall have over rendered, the party crimine forth possession of the claim, or any portion flutred, may with out going further notice, the a certified copy of the judgment foll with the register of the land-office, together with the certifi-cate of the surveyor-general that the requisite amount of labor roll with the register of the landounes, tegether with the certificate of the surveyor-general that the requisite amount of labor has been expended or improvements made thereon, and the descengtom required in other cases, and stall pay to the receiver so per acceptance of the earlier with the proper tees, where so the region of the control of the co

claim with reference to the lines of the public surveys, but need not conform therewill; but where a patent shall be issued for nor contour increwant; but where a patent shall be is said for claims upon insurveyed lands, the surveyor-general, in extend-ing the survey. Shall adjust the same to the boundaries of such patential chain, needing to the plat or description thereof, but so as in no case to interfere with or change the location of any such patential chain. [16 May, 1822, 6, 132, 8, 8, 8]

[16] P. 944.
S. P. 2288. PENDING APPLICATIONS, EXISTING RIGHTS, Applications for patents for mining claims under formed law now pending may be prosecuted to a final decision in the general land-office. Int in such cases where adverse rights are not affected thereby, patents may issue in pursuance of the providence of the providence of the providence of the providence. affected thereto, patents may issue in pursanare of the provisions of this chapter, and all patents for initing claims upon vents or lodge, heretotore issued shall convey all the rights and privileges conferred by this chapter where no adverse tights existed on the toth day of May, 1872. [10 May, 1872] c. 122, 8, 0, 1.

extend on the normal of son, etc., by many extends of the file, p. 94.1, for p. 94.

acress for any one person or association of persons, which loca-tion shall contour to the United States surveys; and melting in this section contained shall detect or injury any bona fide preemption or homestead claim upon agricultural lands, or auth-

comption or bourest-road claim upon a greenfund baids, or authorized the cale of the improvements of any boundles estile to any pur-chaerer. [9,500], 1850, e. 235, § 12A, 16, 16, 217.] S17, 2364. GONTOWILLY OF PLANT PARKET OF REPAYS. S17, 2364. GONTOWILLY OF PLANT PARKET OF REPAYS. Which is a superposed of the property of the prope and where by the segregation of inneral lands in any legal and where by the segregation of inneral lands in any legal subdivision a quantity of agricultural land less than forty acres temains, such tractional pottion of agricultural land may ids in any legal less than forty

be entered by any party qualified by law, for home-stead or pre-emption purposes. [10 May, 1872, c, 152, s, 16, v, 17, p, 94, 1, 87, c, 322, WHAT EXTREMS FOR POSSESSION, ETC, TO ESTAB-1831, A KIRITTO A PAPENA, Where stells person or associa-tion as period equal to the time pre-certool by the stands of limit-tors in period equal to the time pre-certool by the stands of limit-tions for mining claims of the state or territory where the same may be situated, evidence of such possession and Working of the claims for such period shall be sufficient to establish a right to a patient thereto under this chapter, in the absence of any adverse claim, but nothing in this chapter shall be deemed to impair any hen which may have attached in any way whatever issuance of a patient, 19 July, 1876, 235, 8, 18, 46, 18, 21, 21, 846, 2333. Proceedings for PAVENT for PLACER CLAIM, Fr. When the same person, association of corporation is in possession of a placer claim, and also a vein or lode included within the boundaries thereot, application shall be made for a patient for the placer claim, with the statement that it includes allower claims, such as the particular of a patient of the placer claim, and twenty-live test of surface on each side thereof. The remainder of the placer claim, on any placer claim not embracing any year or lode claim, shall be paid for at the latter of such as the patient of the placer claim, and applied extron to a patient for such placer claim, which the constructions of an application of the construction of the construction of an application of the construction of the construction of the co known to exist within the boundaries of a placer claim, an application to a patient for such placer claim which does not include an application for the vein or lode claim shill be construct as a conclusive declaration that the claimant of the placer claim has no trait of possession of the vein or lode claim, but where the excellent of a vein of lode in a placer claim is not known, a patient for the placer claim shall convey all variable numeral and offer depost's within the boundaries thereof. [16 May, 1852].

patient for the position of the boundaries and other deposit within the boundaries and the LEC, as II.A. 17, p.34.

SEC, 2334. SEC, VOCCHENERAL TO APPOINT SURVINGE SECTION OF THE SURVEYOR GENERAL TO APPOINT SURVINGE CONTINUES. 155. (C.A.) (F., 1991)

See 2. 2. (S. K.E.) From GENERAL TO APPOINT SURVEYORS OF MINING CI AIMS, Fro. The surveyor-general of the United Of MINING CI AIMS, Fro. The surveyor-general of the United States may appoint in each land district containing numeral lands as many competent surveyors as shall apply for appointment to survey mining claims. The expenses of the survey of ven or lode claims, and the survey and subdivision of placer claims into smaller quantities thom one hundred and sixty acres, together with the cost of publication of notices, shall be paid by the most free complex cases and they shall also be at those together with the cost of publication of notices, shall be be at those together with the cost of publication of notices, and they shall almost of the shall also have power to establish the maximum charges for surveys and publication of notices under this chapter; and, in case of excessive charges for publication, he may designate any newspace published in a fand distret where mines are similar for paper published in a find district where mines are situated for the juddication of mining notices in such district, and fix the paper published in a land district where tilines are stanted for the publication of imming notices in such district, and fix the lates to be charged by such paper, and, to the end that the com-inssinor; may be tilly informed on the subject, each applicant shaff life with the register a sworn statement or all charges and toes paid by such applicant for publication and surveys, together with all fees and money paid the register and the receiver of the lambodities, which statement shaft be transmitted, with the other

papers in the case, to the commissioner of the general kind-oline, [40 May, 1872, c. 138, 8, 2, 3, 4, 4, 7, 9, 33, 4]. St. (2335, Verkit) (1408, 6). All 10 AV18, 1.10. All affilia-vits required to be made under this chapter may be verified before any officer authorized to administer oaths, within the land district any oneer annother to administer oams within the land district where the claims may be situated, and all testimony and proofs may be taken before any such others, and, when duly certified by the others taking the same, shall have the same force and effect as it taken before the register, and receiver of the land-

of the officer family the same, shad into the same representation of the content as it taken before that exists any content are represented by the content and content and the content and the

inclinations of the space of intersection, [10 May, 1872, e, 152, 8, 14, 174, 19, 35].

St., 2357. PYEVEN FOR NON-MINIMALLANDS, F.D. Where non-numeral hand not contiguous to the vein or lode is used or occupied by the propertor of such vein or lode for mining or ordering phoses, such non-adjacent surface ground may be embraced and meinded in an application for a patent for such vein or lode, and the same may be patented therewill, subject to the same prediminary requirements as to survey and notice as are applicable to veins or lodes; but no location hereful reader of such non-adjacent limit shall exceed five across, and payment for the same must be made at the same rate as fixed by this charter that the superfice of the same rate as fixed by this charter that the superfice of the same limits the made at the same rate as fixed by this charter that the superfice of the same limits of the same limits and the same rate as fixed by this charter of the same limits and the same rate as fixed by this charter of the same limits and the same larger of the same larger

casements, dramage and other necessary means to then couplete development, and those conditions shall be utily expressed in the patient, [26, July 1806, c. 262, S. 5. 3, 13, 19, 25.]

[81), 2329. VEST 9 RIGHTS to UST of WATLETOW MINYON, ED. RIGHTS to UST of WATLETOW MINYON, ED. RIGHTS to UST of WATLETOW MINYON, passession, rights to the use of water for minung, agricultural manufacturing or other purposes have vested and accuracy and the same are resegnized and acknowledged by the four testions, which is the contribution of the property of the property of the same are resegnized and acknowledged by the four testions, and the right of way for the construction of distellar standards and containing the proposes better specified is acknowledged and confirmed, but whenever any person, in the construction of any settle or the public number of any settle or the public.

and the right of way for the construction of districts and contains the purposes herein specified is acknowledged and continued, but whenever any person, in the construction system of the public but whenever any person in the construction system on the public districts. The purpose of the public committing shell many or damage shell be public domain. The purpose of the public committing shell many or damage shell be in ble to the purpose of the purpose

lation applicable to the same of data (September 2014). Applitionary Taxib Distributes with Official Section 2114 (1994). See [244] Applitionary Taxib Distributes with Official Section 2114 (1994). The provided Section 2114 (1994) and the new start of the standard exchange free seed with the provided Section 2114 (1994). The provided Section 2114 (1994) and the content of the standard exchange free seed with the first provided Section 2114 (1994). The provided Section 2114 (1994) and the content of the start of the section 2114 (1994) and the start of the section 2114 (1994). The provided Section 2114 (1994) and explored damped and the content of the section 2114 (1994) and exploring framed 1114 (1994) and exploring framed 1114 (1994). See [244] (1994) and exploring framed 1114 (1994) and explored damped and the constant approach damped section 2114 (1994). See [244] (1994) and exploring framed 1114 (1994) and

16.56 (9.400Å) ISO, 6. 20.8 (4.3 to, p. 48). St. 230. MINERAL LANDS INTERIVAN SIXIES INCEPT THE PRODUCT OF THE PROPERTY OF

same traffix of pir emption as office pather times. If the exception is 2, 19, a 15, p. 165.]

Step 25th Great of Laxies to States our logistic closes. Note to better Mayriary Laxies. We adopted the first session of the fluid english conjugates, random lands to state our poster, or be extend the time of grants made proof tell of the day of adminity, 1855, shall be seen constructed as to constant in the conjugate of the extendible random made proof tell of the day of adminity, 1855, shall be seen constant as a set of the extension fluid engages are in softword exclusive A 1 of the University of the extension of the extension making the grant [40] dam, 1865, Res. No love the p. 367.

#### THE PLATE PROVISIONS

# TITLE EXXL.

Steafors 755. Withy Review Seven as January 1. Heleotroping seventy three tubes induced the standard south of Late of States General and permanent in their nature, in torice on the 1st day of December 1875, as a version and consist dated by count sometime, 1875, as a version and consist dated by count sometime appointed under an inet of congress, and the same shed by description and eited as The Revised Statings of the United

be designified and cited as The frequency among sections. All Salless, Sec. 796. Reprixt of Acts Embravette in Revision. All acts of congress passed prior to said is day of December, 1877, any portion of which is embraced in any section of said fewtson, any portion of which is embraced in any section of said fewtson, the portion of the portion of the properties of the properties of topic in learning the parts of such acts not contained in such twiston having been repeated in supersoded by subsequent acts to another general and permanent in their matter. Provided, that the incorporation into such revision of any general and per-manent provision, taken from an act making appropriations of from an act containing office provisions of a provide, be done

temograv character, shall not repeal or many way after than appropriation of any provision of a provise, beeffor I importary character, contained in any of and acts, but the same shall remain in force, and affect of congress passed prior to such shall remain in force, and affect of congress passed prior to such shall remain in force, and affect of congress passed prior to such shall made affected or character by it cancer that the structure of the property of the eventual state of the such acts of the property of the eventual state of the eventual

A construction of the cons

Approved by a love it 1875.

Approved F. or a C. H. 1975 (1883).

A proceeding the set of conference of the Approximation of the extractive of the Approximation of the extractive of the Approximation of the

Autoroved May (1876) 19.834 [1].

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By Connected by the Senath and Hauss of Requestion at the Lincoln and clouds of purpose and the Lincoln States of Marchan in Courses as smilled, Run (1), and of the state of connected with other persons, form and a religion of New Maywey, Arredina 13 th Wayman, a Lincoln Lincoln and Course of the Arredit and the Lorder of the Arredit and the Lincoln and the Lincoln and the Lincoln and Lincoln and permutation for the propose, and funds being another from an algorithm of the Lincoln and Linco

growing upon such lands, and for other purposes; Provided, the provisions of this act shall not extend to railroad corporations, Sec. 2. That it shall be the duty of the register and the receiver of any local land-office in whose district any inherial land may be situated to ascertian from time to time whether any funder is being cut or used upon any such lands, except for the purposes authorized by this act, within their respective hand districts; and, it so, they shall immediately notify the commissioner of the general making such proper examinations shall be pind and allowed such register and receiver in making up their next quarterly accounts.

accounts,
SEC, 3. Any person or persons who shall violate the provision

Office and those in toursample thereo accounts.

St. 3. Any person or persons who shall clodute the provisions of the star and regulations, in pursanner theorem and regulations, in pursanner three modes by the secretary of the interior, small be deemed guilty of a misdementor, and, upon conviction, shall be themed guilty of a misdementor, and, upon conviction, shall be then in any sim not exceeding \$500, and to which may be added imprisonment for any term not exceeding \$800, and to which may be added imprisonment for any term not exceeding \$80, and to which may be added imprisonment for any Approved June 3, 1878 (20 Stat., 88).

A.S. A.c.t. to amend Sections 2324 and 2325 of the revised statutes of

Av. A. 1 to amond Sections 223, and 225 of the roysed statutes of the United States concerning micral limits.

Be at enacted by the Senate and House of Representatives of the United States of America in Congress assembled. That Section 225 of the revised statutes of the United States be amended by adding thereto the following words: "Provided, that where the claimant for a patent is not a resident of or within the land strict wherein the zent, hole, ledge or deposit sought to be elamant for a patent is not a resident of or within the land strict wherein the zent, hole, ledge or deposit sought to be required to be made in this section by the claimant for such patent may be made by his, her or its authorized agent, where said agent is conversaint with the facts sought to be established by said althouries; and provided, that this section shall apply to all applications now pending for patents to mineral family.

Sec. 2. That Section 223 of the revised statings of the United Representation which the very required to be concerning the control of the concerning the control of the concerning the section of such claim, and this section shall apply to all claims located since the buffle by Approved Lamanty 22, 1880 (21 Stat., 61).

Approved January 22, 1880 (21 Stat., 61).

Act to amend Section 226 of the revised statutes relating to suits at law affecting the title to mining clanos.

such as a law anecting the time to mining carnos.

Be at emacted by the Senate and House of Representatives of
the United States of America in Congress assembled, That it, in
any action brought pursuant to Section 2.23 of the revised Statutes,
title to the ground in controversy shall not be established by tute to the ground in controversy shall not be established by either party, the party shall so find, and judgment shall be entered according to the verdiet. In such case costs shall not be allowed to either party, and the claumant shall no proceed in the land-office or be cititled to a patent for the ground in controversy match is shall have perfected his title. Approved March 5, 1881 (2) 84at., 565).

As Act to amend Section 2336 of the revised statutes, in regard to the immerial lands, and for other purposes. Be it causeted by the senate and Horse of Representatives of the The distinct of America in Compress resembled. That the ad-terior is more an America in Compress resembled. That the ad-werse chain required by section [235] of the revised statutes and be verified by the outbot any duly authorized agent or attorney, in-fact of the adverse chainant cognizant of the facts stated, and the adverse chainant, it residing or at the time being beyond the limits of the district wherein the claim is situated, may make outh to the adverse claim before the clerk of any court of record of the United States or the state of territory where the adverse claimant may then be, or before any notary public of such state

or territory.
Sto. 2. That applicants for nameral patents, it residing beyond Sto. 2. That applicants for nameral patents, it residing beyond Sto. 2 that applicant wherein the claim is situated, may make any oath or attidaxit required to proof of entirenship before the clerk of any court of record, or before any notary public of any

state or territory

Approved April 26, 1882 (22 Stat., 49)

As Act to exclude the public lands in Alabama from the opera-

tion of the laws relating to numeral lands. Be it enacted by the Senate and House of Representatives of the I chaeted by the Seame and House of Representatives the United States of America in Congress assembled. That within the state of Alabama, all public lands, whether immeral or other wase, shall be subject to disposal only as agricultural lands. Provided, however, That all lands which have heretotope been re-Provided, however, That all lands which have herefore been re-ported to the general land office as contamine coal and irro-shall hist be offered at public sale. And provided further, That my bona hide entry under the provisions of the homesterd law of finds within said state herefolore made may be patented with our reference to an act approved May 10, 1872, entitled "An act to promote the development of the imming resources of the Pauled States," in cases where the persons making application for such principle have in all other respects, complied with the isomesteral to writefine threeto.

homestead law relating thereto Approved March 3, 1883-22 Stat., 4875.

N. Accipioviding a civil government for Alaska.

Be if emacted by the Sounte and House of Representatives of
the landed states of America in Congress assembled.

Step. 5. That the said district of Alaska is merely created a
'sind district, and at Intel States land-office for said district is
orrely located at stake. The commissioner provided for by this
cort in reside at stake stall beev officien register of said land-office,
ind the electic provided for by this act shall be evolution receiver
a public moneys, and the marshal provided for by this act shall
be evolutioned as the said of the state of the state

the United States relating to mining claims, and the rights incident thereto, shall, from and after the passage of this act, be in full torce and effect in said district, under the administration thereof herein provided for, subject to such regulations as may be made by the ST fed row of the interior, approved by the pression of the property of the property of the property of the provided property of the proper the United States relating to mining claims, and the rights in-

Approved May 17, 1884 (23 Stat., 24).

As Act making appropriations for sundry civil expenses of the government for the fiscal year ending June 13, 1891, and for other purposes,

other jurnoses.

Be if concluded by the senate and House of Representatives of the United States of America in Congress assembled, \*\*

No person who shall, after the passage of this act, enter upon any of the public lands with a Avex to occupation, entry or settlement under any of the hand laws shall be permitted to acquire title to more than three hundred and twenty acres in the aggregate, under all of said laws, but this limitation shall not operate to curtail the right of any person who has herefolder made entry or settlement is validated by this act. Travided, That in all pureurs or lands hereafter factor in our any of the land has of the roll one hundredth meridian, it shall be expressed that there is externed to the one hundredth meridian, it shall be expressed that there is reserved from the lands in said patent described a right of way thereon for ditches or canals constructed by the authority of the United States.

Approved August 30, 1890 (26 Stat., 371).

United States

Approved August 30, 180 (23 Stat., 37)).

ANA to 1 to repeal funder-culture days, and for other purposes.

The if cincled by the Semite and Bouss of Representatives of the United States of America in Courses, sissenbled.

See, 16. That townsite cultures may be made by meorporated towns and either on the mineral mass of the United States, but no title shall be acquired by such towns or either to any vein or gold, silver, climabar, copper or lead, or to may valid amining claim or passession held under existing law. When mineral veins are passessessed within the limits of an incorporated fown or city, and such possession is recognized by local authority or by the laws of the United States, the title to fown bids shall be sufficiently and when cultry has been made or patient issued for such morporated town or city, the possessor of such mineral vein, and the surface ground appertanting thereto: Provided, That no entry shall be made by such unneralvein climanal tor surface around where the owher or occupier of the surface ground shall have had possession of the same before the inception of the

shall have had possession of the same before the inception of the title of the innerralsem applicant.

Src. 17. That reservoir sites located or selected, and to be located and selected, under the provisions of "An act making ap-propriations for similary exil expenses of the government for the fiscal year ending dime 13, 1883, and for other purposes," and amendments thereto, shall be restricted to and shall contain only so much kind as is actually necessary for the construction and maintenance of reservoirs, excluding so far as practicable lands occupied by actual settlers at the date of the location of said res-tors for similar, evil expenses of the government for the best four ending dime 13, 180, and for other purposes," which reads as follows, 117. "No person who shall after the passage of this act enter upon any of the public lands with a view to occupation, as follows, Mz. "No person who shall after the passage of this act enter upon any of the public lands with a view to occupation, entry or settlement under any of the land laws shall be permitted to acquire title to more than three, hindred and twenty acres in the aggregate under all said laws," Shall be construed to include in the maximum amount of lands the title to which is permitted to be acquired by one person only agreeitural lands and not inshible lands entered or sought to be entered under numeral land.

Approved March 3, 4891 (26 Stat., 1995).

#### MINERAL LANDS OFFN TO EXPLORATION, OCCUPATION AND PURCHASE.

It will be perceived that by the toregoing provisions or law the inneral lands in the public domain, surveyed or unsurveyed, are open to exploration, occupation and purchase by all enzems or the United States and all those who have declared their inten-

#### SIATES OF TODE CLAIMS FOR VIED PRIOR TO MAY 10, 1872

2. By an examination of the several sections of the revised 2. by an examination of the several sections of the teylsed statutes it will be seen that the status of lode claims located pre-vious to the 10th of May, 1872, is not changed with regard to their extent along the lode or width of surface. 3. Mining rights acquired under such previous locations are, however, enharged by such revised statutes in the following respect, Atz. The locators of all such previously taken veins of lodes, their heirs and assigns, so long as they comply with the laws of congress and with state, territorial or local regulations not in conflict therewith, governing mining claims, are invested within the lines of their hoeritons and of all tens, local regulations throughout their entire depth, the top assist veins, local sor fieldes throughout their entire depth, the top so with veins, local sor lodges may so far depart from a perpendicular in their course downward as to extend outside the vertical side-lines of such locations at the surface, if being expressly provided, however, that the right of possession to such outside parts. Side-times of such negations at the surface, it being explossly provided, however, that the right of possession to such not such parts of said veins or ledges shall be confined to such portions thereof as the between vertical planes drawn downward, as aforesaid, through the end-lines of their logations so continued in their own orrouga me care mes or mer pocarons so continued in their own direction that such planes will intersect such externor parts of such coms, lodes or ledges; no right being granted, however, to the clamant of such outside portion of a ven or ledge to enter upon the surface location of another clamant.

upon the surface location of another claimant.

A. It is to be distinctly understood, however, that the law limits
the pissessory right to veius, lodes or fedges, other than the one
named in the original location, for such as were not adversely
claimed on May 10, 1872, and that where such other vein or fedge
was so adversely claimed at that date, the right of the party so
adversely claiming is in no way impaired by the provisions of the
revised stanties.

5. In order to hold the possessory take to a mining a. In order to May 10, 1872, and for which a patent has not been issued, the law requires that 50 shall be expected amountly in labor or improvements on each claim of one hundred teet on the course of the vein or lode until a patent shall have been issued. course of the ven or hole intur a papell shall have been issued therefor. But where a number of sich claims are held in continou would be necessary to hold all the claims, at the rate of stepen hundred teet, may be made upon any one claim, a tablite to com-ply with this requirement in any one years adopting the claim upon which is sich halling occurred to be location by other partners. the same as it no previous location thereof had ever been made, unless the claimants under the original location shall have unless the chamants under the original becation shall have resumed work thereon after such tailure and better such the loca-tion. The first annual expenditure upon claims of this class prior to knamary 1, 1875. From and after January 4, 1875, the re-quired amount must be expended annually until patent issues. By decision of the homorable secretary of the interior, dated March 4, 1873, such annual expenditures are not required subsequent for entry, the date of issuing the patent certificate being the date

entry, the date of Issuing the patent certificate being the date contemplated by statute, and one as several co-extract of a ven, i.e. I put the failure of any horizontal several co-extraction to a ven, portion of the expenditures necessary to hold the chain of claus-so held in ownership in common, the co-extraction chains so held in ownership in common, the co-extraction behave per formed the labor of made the improvements as required by said revised statutes may, at the expiration of the ven, gave such adelinguent occommendates in writing or notice by puboccumpent coorder personal notice in writing of notice by pilo-heation in the newspaper published nearest the elain for at least once; a week for innety days, and it, upon the expiration of miley days after such notice in writing or upon the expiration of one lumified and eighty days after the first newspaper publication of notice, the delinquent ecowiner shall have tail of tecontribute his proportion to meet such expenditures of improvements, his interest in the elain of how masses it has a governe who have his proportion to meet such expenditures or improvements, his interest in the claim by law passes to his recovered which has interest in the claim by law passes to his recovered which has claiming alleges conversing of a fortiered interest under the tore going provision, the sworn statement of the publisher as to the facts of publication, giving dates and a printed copy of the notice published, should be turnished, and the claimant must swear that the delinquent coowner tailed to contribute his proper propor-tion within the period fixed by the statute.

#### PATRAIS FOR ATTAS OR TODA'S BEIRS TOTORE ISSUED

7. Taghts under patents for venus or lodgs herotome, grants, and the previous legislation of energies, according only by the twisted with the previous legislation of energies, according only by the twist states of the previous properties, his here so the states of stages, with the to all venus, holes or legislating them to perfect depth, the top or lapses of which its within the end and sade boundary mass or his claim on the suttines, spatiented, extended down ward vertically, although such venus, bodies of ledges may so that depart from a perpendicular in their course downward as to extend outside the vertical sade lines of the claim at the surface. The right of possession to such outside parts of such virus or ledges to be confined to such spatients thereof as its between vertical sade in the statements of the surface of the patents will intersect such extensi parts of such venus or ledges the figure set of the patents which is the legislations, of ledges, the figor appear of which hes misds such surface locations, other than the one named in the patent, which were adversed we knimed on the 10th of Max, 1872, are evaluated from such convexions by patent. Rights under patents for years or fodes hereforore granted by patent.

to patent.

5. Applications for patents for mining claims pending at the date of the act of Max 16, 1872, may be prosecuted to final decision in the general land other, and where no adverse rights are aftered thereby patents will be issued at pursuance of the provisions of the revised statutes.

#### MANNER OF THE ATENCE CLAIMS ON ATENS OR TODES AFTER MAY 10, 1872

9. From and after the 10th of May, 152, any person who is a citizen of the United States, of who has declared his intention to become a citizen, may locate, record and hold a manual schum of littern hundred linear feet along the coarse of any hundral veni

or lode subject to location, or an association of persons, sever ally qualified as above, may make joint location of such claim of fifteen hundred beet, but in to event can a location of a vent or lode made subsequent to May lo. 1872, exceed inteen hundred teet along the course thereof, whatever may be the number of persons

composing the association.

10. With regard to the extent of surface ground adjoining a 16) With regard to the extent of surface ground adjoining a vem or hole and claimed to the consenient working thereof, the revised statutes provide that the lateral extent of locations of tensions and arter Valy in 1822, shall me meass exceed surface, and that no such surface rights shall be limited by any mining regulations to less than twenty-tive feel on each side of the modified of the vein at the surface, exceed where adverse right existing on the forth of Way, 1822, may render such limitation necessary, the end-limes of such chains to be in all cases parallel to each other, Sand lateral measurements cannot extend beyond each other. Said lateral measurements cannot extend beyond three hundred tect on either side of the middle of the vein at the surface, or such distance as is allowed by local laws. For two hundred tect on the other, it knowever, three hundred feel on each side are allowed, and by reason of prior claims but one hundred tect can be taken on one side, the becater will not be restricted to less than three hundred feel on the other side, and when the locator does not determine by exploration where the

which not the consequence in the experience where the consequence is a second to the consequence of the consequence is a second to the consequence in the consequence is a parallelegram fitteen hundred test in length by six hundred test in width, but whether surface ground of that width can be taken depends upon wherher striage ground of nata winner are cause negenits agostic the local regulations of state or terratorial laws in tories in the several mining districts, and that no such local regulations of state or terratorial laws shall finit a vein of lode claim to less than litteen limited teel along the course thereof, whether the than lifteen hundred beet along the course thereof, whether the becation is made by one of more persons, nor can surface rights be limited to less than lifty feet in width, unless adverse claims existing on the loth of May, 1872, render such lateral limitation

existing on the 160 for May, 18.2, remore such laterial minimum at 2.1 Feb. grownhold by the royised statutes that the immers of each district may make rules and regulations not in conflict with the laws of the United States or of the state of betritory in which such districts are respectively situated, governing the location, normer of resolution 1 mm and of work necessary to hold hose session of a chain. They likewise respectively strated on shirly have been also shirt to be reachly threed. This is a very important matter, and locations cannot exercise too much eate in defining their locations at the outset, manner as the locations, the late of the location and such as scription of the claim or chains located, by reference to some had a stription of the claim or chains located, by reference to some had at 11 He statutes, provide that no both claim shall be recorded until after the discovery of a ven or lode within the limits of the lam for each, the object of which provision is within the limits of the lam located, the object of which provision is evidently to pre-

claim located, the object of which provision is evidently to pre-vent the appropriation of presumed immeral ground to specula tree purposes to the exclusion of bona fide prospectors, before sufficient work has been done to determine whether a vein or

Jude really exists

14. The elaminat should, therefore, prior to locating his claim, unless the veri can be traced upon the sittace, sink a shart or tim a tunnel or druft, to a sufficient depth therein to dispoyer, and a time of drift, and a surrecent negative meaning assward and a continuous meaning and the production of the control of the co using a provider a different period of the provider of the mission of the claim of the mission of the claim and trader a susceptible of deciding the trop them. description thereof given in the record of locations in the district and should be duly recorded.

description thereof given in the record of locations in the district, and Should be districted of Should be districted and Should be districted of the transparency of the administration of the transparency of the manufacture of the mines of administration claims or, it nome administrations of the mattest claims, should drive a post of effect a monument of stones at each corner of his sufficiency of the control of the point of stones at each corner of his sufficient product of the point of stones at each corner of his sufficient product of the point of stones at each corner of his sufficient product of the point of stones and the point of stones at each corner of the point of the point

performed prior to the 1st day of January succeeding the date of location will not be considered as a part of or applied upon the first similar expenditure required by law. Failure to make the expenditure or perform the labor required will subject the claim to re location by any other party having the necessary qualitiest-tions, unless the original locator, his heurs, assigns or legal repre-sentatives, have resumed work thereon after such failure and be-

tore such re-location.

18. The expenditures required upon mining claims may be made Its a the suppose a summing in tunnel by the development of such distributions. He said is from a first firs

eried as expended on sain fode of lones, and shen person of com-pany shall not be required to perform work on the surface of said 19. The importance of attending to these details in the matter of location, labor and expenditure will be the more readily per-ceived when it is understood that a failure to give the subject proper attention may invalidate the edim.

#### CLANFILIDIGIUS

20. Section 2223 provides that where a familet is run for the development of a vern or fole, or for the discovery of numes, the owners of such trumed shall have the right of possession of all veins or looks within three thousand feet from the face of such familet, on the line thereof, not previously known to exist, discovered in such familet, to the same extent as if discovered from covered in such timner, to the same extent as it discovered from the surface; and locations on the line of such timnel of venus or lodes not appearing on the surface, made by other parties after the commencement of the timnel, and while the same is being prosecuted with reasonable diagence, shall be invalid; but rather

presented with reasonable difference, shall be invalid; but failure to presente the work on the family for six months shall be considered as an algorithment of the right to all undiscovered veins or lodes on the line of sall family.

21. The effect of this is simply to give the propertors of a minima family run in good tath the possessory right to litteen hundred rect of any blind bodes can dissersory of an interest before the property of the three thousand feet from the face or point of commencement of such funnel, and to prohibit other parties, after the commence-ment of the funnel, from prospecting for and making locations of bodes on the line thereof and within said distance of three thousand teet, unless such lodes appear upon the surface or were

thousand reet, mness such tonics appear upon the surface or were previously known to exist. 22. The term "face," as used in said section, is construed and held to mean the first working-face tormed in the tunnel, and to signify the point at which the tunnel actually enters cover; it be-

Signity and beginning there is no many assuming energy covers; it may also which beginning the strength of the properties of producted as atoresaid.

23. To avail themselves of the benefits of this provision of law, the properties of a many tunned will be required, at the time they enter cover as atoresaid, to give proper notice of their time are boardon by ejecting a substantial post, board or monument at increasing by erecting a sustainan past, rotated moniment in the face or point of commencement thereof, upon which should be posted a good and sufficient notice, giving the names of the parties of company channing the tunnel-right, the actual or pro-posed course or direction of the finnel, the height and width thereof, and the course and distance from such face or point of commencement to some permanent, well-known objects in the vicinity by which to fix and determine the locus in manner herecommencement to some permanent, well-known objects. In the Atenaty by which to fix and determine the locus in manner here-totore set torth applicable to locations of veins or lodes, and at the time of posting such notice they shall, in order that miners or prespectors, may be enabled to determine whether or, not they Totore set are within the lines of the tinnel, establish the boundary lines thereof, by stakes or moniments placed along such lines at proper intervals, to the termines of the three thousand feet from the face or point of commencement of the Junnel, and the lines so marked will define and govern as to the specific boundaries within which prospecting for lodes not previously known to exist is profulled while work on the timnel is being prosecuted with reasonable diligence

At the time of posting notice and marking out the lines of the finnel as aforesaid, a full and correct copy of such notice of loca-tion defining fite timel claim, must be filed for record with the mining recorder of the district, to which notice must be affaiched in the second of the second of

enter the work on the tunnels or beated and, described with regionable diagence for the developing in of a year of role or for fed discovery of mines or both, as the case may be. This rother of becation must be diff recorded, and with the said swom station of attached, kept on the recorder is like for future reference, 5. By a compliance with the forecome much needless difficulty will be avoided, and the way for the admissment of legal rights acquired in virtue of said Section (23) will be funde much more easy and certain.

2. This otherwid this protection of law by parties making or a factor of the proposed of the proposed of the proposed of monopolizing the lands fixing in front or their tunnels to the detrimination of the statute, but really to the purpose of monopolizing the lands fixing in front or their tunnels to the detrimination of the statute, but the exclusion of boar file prospectors or immes, but with hold such tunnel claimants to a strict compliance with the terms of the statute, and a reasonable diffigence on namers, but wit hold such tailing claimants to a stret companions with the terms of the statutes, and a reasonable diligence on their post in prosecuting the work is one of the essential conditions of the rimpled contract. Negligence or want of dimedition, one will be construed, as working a torteture of their right to all unbiseovered veins on the line of such timed. MANNER OF PROCEEDING TO OBTAIN GOVERNMENT TITLE TO VEIN OR LODE CLAIMS.

27. By Section 2325 authority is given for granting titles for 27. By Section 2025 authority is given for granting title-for nimes by patent from the government to any person, association or corporation having the necessary qualifications as to efficien-ship and holding the right of possession to a claim in compliance with law.

sing and nothing the fight of possession to a claim in companies. The chainant is required in the first place to have a correct survey of his claim made under authority of the surveyor-general of the state or territory in which the claim lies; such survey to show with accuracy the exterior surface boundaries of the claim, which boundaries are required to be distinctly marked by moundaries in the ground. Four plats and one copy of the original nebbanets on the ground. Four plats and one copy of the original nebbanets in cach case will be prepared by the surveyor-general, the surveyor-general, one copy of the plat to be given the claim and for posting upon the claim, one plat and a copy of the fidulations to be given to the limit of the plats of the plat of the plate of the proper register, to be finally transmitted by that offleer, with other papers in the case, for this offlee, and one plat to be sent by the surveyor-general for the state of Arkansas, applications for the street veyor-general to the state of Arkansas, applications for the survey of mineral claims in said state should be made to the commissioner of this office, who, under the law, is ex-officio the United States surveyor-general. ed States surveyor-general.

The claimant is then required to post a copy of the plate

such survey in a conspicuous place upon the claim, together with notice of his intention to apply for a patent therefor, which notice notice of his intention to apply for a patent therefor, which induces will give the date of posting, the name of the chainant, the name of the chain, name or lode, the mining district and county, may be found; the uniform of the chained along the variant the presumed direction thereof; the number of feet chained on the lode in each direction from the point of discovery or other well-defined place on the claim; the name or names of adjoining chainants on the same or other lodes; or, it more adjoin, the

defined place on the claim: the name or names of adolumes can the same or other bodes; or, it none adom, the names of the nearest claims or other bodes; or, it none adom, the names of the nearest claims of the proper register and receiver a copy of such plat and the fields notes of survey of the claim, accompanied by the affidavit of at least two credible witnesses, that such plat and notice are posted conspiciously upon the claim, always date and place of such posting; a copy of the notice so posted to be afficiently date and place of such posting; a copy of the notice so posted to be afficiently and term part of said affidavit.

It is a superficient to the same of the same part of the claims of the claims of the claims of the premises, therein described, in virtue of a complaine by himself and by his grantors at the claims by purchased with the mining laws of congress, such sworm statement of narrate briefly, but as elearly the present of the claim to a patient.

22. This affidavit should be supported by appropriate evidence from the mining laws of the mining recorder's office as to his possessory right, as follows, Mr.; Where he claims to be the locator, or a locator in company with others who have since conveyed their interest, in

from the mining recorder some as on its possessory (1911), and follows, Viz. Where he claims to be the locator, or a locator in company with others who have since conveyed their interest in the location to him, a full, true and correct copy of such location should be turnished, as the same appears upon the mining records, such copy to be attested by the scal of the recorder, or, if records, such copy to be attested by the sent of the recorder, or, it he has no seal, then he should make only to the same being cor-rect, as shown by his records. Where the applicant claims only as a purchaser tor valuable consideration, a copy of the location record must be filed under seal or upon oath as atoresaid, with record must be filled under seal or upon oath as aloresid, with an abstract of title from the proper recorder, under seal of oath as atoresaid, brought down as near as practicable to date of titing the application, fracing the right of possession by a continuous chain of conveyance from the original locators to the applicant,

chain of convexime from the original locators to the applicant, also certifying that no conveximes affecting the title to the claim in question appear of record in his office other than those set orth in the accompanying abstract.

33, In the exent of the mining records in any case having been distributed by tirre or otherwise lost, affidavit of the fact should be distributed by tirre or otherwise lost, affidavit of the fact should be those of any other parties combined on the fact scalar by those of any other parties cognizing of the fact relative to his location, occupancy, possession, improvements, etc.; and in such case of lost records, any deeds, certificates of location or purchase, or other evidence which may be in the claimant's possession and fend to extinish his claim, should be faller, with at the expense of the claimant who must turnish the agreement of the expense of the claimant who must turnish the agreement of the

expense of the chamant (who must lifting the agreement of the publisher to hold applicant for patent alone responsible for charges of publications, publish a notice of such application cham, and will post a copy of such notice in his office to the same period. When the notice is published in a weekly news-pager for consecutive meetings are necessary, when in a day newspaper the notice must appear in each issue for astyonic consecutive sissues, the first day of usue being excluded in esti-

consistinct estate, and to all the constraints of t will depend, in a great measure, the regularity and validity of the

will depend, in a great no continuity of the receiver has no whole proceeding.

35. In the publication of final-proof notices the receiver has no discretion under the law to designate any other than the news-paper concared the land. For such purpose when you paper is news-content of general orientation. But he will mad cases

designate the new spaper of general circulation that is published nearest the land, geographically incasured. When two or more such newspapers are published in the same fown, nearest the land, he may select the one which, in his bearest and impartial the law and the general interests of the public.

38. Newspaper charges must not exceed the rates established by this office but the publication of begin forces.

39. The elamant, either at the time of thing these papers with the register or at any time during the saxt days' publication, is required to the a certificate of the surveyor general that not less mades mean the claim to the acceptance of the surveyor general that not less mades mean the claim to the acceptance of the surveyor general that of the

than \$500 worth of labor has been expensed of improvements made upon the claim to the application to be granter, that the survey, as filed, trunsly such an accordance companion of the claim as will, it measurements and the premises, and that such reterence is made therein to natural objects or permanent monuments as will per perhate under the locus thereot.

To, It will be the more convenient way to have this certificate

locus thereof.

By If will be the more convenient way to have this sea thleadindorsed by the survivor general, both upon the plat and holdmore distributed by the survivor general, both upon the plat and holding the start way be not on exception production has
expired the channal will numbe from the office of publication as
worn statement that the notice was published by the statistical
period, giving the first and last day of such publication, and his
own aillidayt showing that the plat and holder above and relative
considerably special upon the claim sought to be patented diminaconsiderably special upon the claim sought to be patented diminaexperiments by period upon the claim sought to be patented diminaby. I poin the tiling of this aidland the region will, in no
adverse claim was filed in his other during the period of public ittion, period the claim and to pay to the land activity for the
area given in the plat and held notes of survey atoresiad, at the
late of S for each give and S to conduct to the force of the tool. The
the receiver issuing the assard displacety except the tool. The
tees paid by him too publication and sources together with all
trest and money paid the regit for and sources together with all
trest and the part of the production of the general kind office, and a patent issued thereous it
tound regular. tound regular

found regular,

3. In sending up the papers in the case the migrie must not
omit entitiving to the fact that the induce was posted in he office to the full period of savity shares, such certificate to state districtly
when such posting was along and fact young could inte?

3. The consecutive such of must contain a cross-contained,
he continued, whether the same are of look or place to claims or
multistics.

mill sites.

5. The surveyors general should designate all surveyed min. mill satis.

3. The surveyors general should designabe all surveyed mineral claims by a progressive series of minders, beginning with survey No., it is presented at the shorther three are standed on surveyed or insurveyed lands, the claim to be so designated at date of sessing the order threaton in addition to the local distribution of the local distribu

survey, at the time of his make  $a_{ij}(t)$  operate lat setty  $a_{ij}(t)$  in mode, particular theorem (ii). From the approach of the survey of a norm, extrain those incomes surveyed limbs, the serveyer conservable in each extrain the income is the booth land office and to the careful extrain the income is a very conservable in the income by the proposed of the income is a very discounting can be discipling formular booth as the final lay reproduct of the income is a very discounting can be discipling as thought by the proposed of the income is a finished. It is survey and particular activities  $a_{ij}(t) = a_{ij}(t) = a_{i$ 

such location survey cannot be such third for that required by the statile, as above note and and 4. The surveyor general should derive his minorinition agony which to base bused it is the considered improvements make from a sole of who make sible activity in Verando Administration good of a who make sible activity in Verando Administration good in the one of and such inputs by the survey with particular to mental sole of the character individual so such improvements and such as a sole of the character individual of such improvements.

10. The extracted boundaries of the character individual to such the survey with the anest of conflicting prior survey. Should be noted in the frield-index and exposured upon the old.

11. Conflicts with a respectively chains where the applicant for survey with survey with the anest of conflicting prior survey. Should be noted in the frield-index and topo structly soles find a make a market boundary with the anest of conflicting prior survey. Should be noted in the frield-index and topo structly soles find a market should be shown by neture survey.

12. The extraction of the extraction of with extremely at the obtained so when the extraction of the extraction of the confliction of the extraction of the

of The total or a the elementation of the external

boundaries should be stated, and also the area in conflict with each intersecting survey, substantially as follows

Total area of elain on a great of camb Area in conflict with Survey No. 302 Area in conflict with Survey No. 348 Area in conflict with Monitain Maid-Jode manaiz easin, im 1,56

It does not follow that because mining surveys are required to

It does not follow that because mining surveys are required to exhibit aff conflicts with priors survey the area of conflict are to exhibit affections with prior surveys the area of conflict are for excelled. The first index and polar are modes are publication for patient, and conflict publication for patients in the patient of the state of the state of the properties to be excluded in express terms. A survey excented (so in the example given with enable the applicant for patient browshide such conflicts as may seem desirable. For instance, the conflict with Survey No., 32 and with the Mountain Mand Gode claim that hie excluded and that with Survey No., 33 and to find that with Survey No., 34 methods.

[50] The raths granted to be dead so under Secholic 242, revised statutes, are restricted to such heartons on veines holes of bedges as many to "Satiented on the public methods with a pina visib for example of the properties of the prop

sathingt.

3. The end line of his survey should not therefore, be e tribished beyond such interess from unless it should be necessary to do for the purpose of melading ground held and channel coder a bestion which we is made, from purple, find, and vaid at the time it was made. To melinde such ground which may be obtained with meeting a many, but the line must be such as not to extend any tarther into the conflicting survey that may be necessary to make such end line parallel to the other end the and at the same time embrace the ground so field and claimed. The instead is survey into the conflicting survey and elamed, but it is survey into the conflicting survey and elamed. one sor a survey into the conflicting sarvey and establishin, and red loo-xholly within it, beyond a point necessary mide; the rule of stated, will be discontinued.

The proceedings to obtain patents for claims usually either place ts, including all torus of deposel, everything yours of querty or other new kingberg resistand to the proceedings presented do obtaining patents for which the proceedings presented do not use of the many claims boasted after Man by 1872, shall conform as in the practical do with the first fits experienced, and all place in mag claims boasted after Man by 1872, shall conform as in the practical do with the first fits experienced, and all place in mag claims because shall which the first fits experienced, and the neb parameter which are the real many do obtained process, and to not because which indeed the proceedings to the parameter of the parameter which are the real many do obtained process for the boundaries that each provided the location is in all respects lead.

The proceedings for obtaining partners for the boundaries the tool, provided the location is in all respects lead.

The proceedings for obtaining partners for the boundaries the tool, provided the location is in all respects lead.

The proceedings for obtaining partners of the boundaries the hort, if the matter and man, such shall modified the standard, at the matter and man, such shall modified the standard, at the matter and man, such shall modified the standard, at the matter and man, such shall modified the standard, at the matter and man, such shall modified the standard, at the matter and man, such shall modified the same fitted and the standard of the standard of the such as the standard of the such standards of the proceedings of the proceedings of the proceedings of the proceeding standards of the such as the

to purred in the notice.

5. Where the ten acre subdivision is in the form of its

5. Whose the ten aeri subdivision is at the torm of viscosi may be described, by mistings as the "second roles" of the second role of our true the form of a parallelogitarias storegade "viscosi in described as the "valor the valor the second role of the viscosi true of the second role of the viscosi of the second role of the viscosi of the of the viscos

Inasumeh as the surveyor-general has no duty to perform in connection with the entry of a placer claim of legal subdivisions, the proof of improvements must show their value to be not less than \$500 and that they were made by the applicant for patient or his grantors. The animal expenditure to the amount of \$100, required by Section 2221, revised statutes, must be made upon placer claims as well as lode claims.

tile spranters. The abundar expenditure to the amount of 800, required by Section 2321, revised statutes, must be made upon placer claims as well as lode claims.

8. Applicants for patient to a placer claim, who are also in possession of a known vein or lode melinded therein, must state in their application that the placer melindes such vien or lode. The published and posted notices must also include such statement their application for the placer claim, who are also in possession of a known vein of one must also include such statement places and the place and the such statement and in all the notices. But in all cases whether the lode is claimed or eveluded, it must be surveyed and marked upon the blat; the field-notes and plat giving the area of the lode claim or claims and the area of the placer separately. It should be remembered that an application which obtains to melinde an application to a known vein the application to right of possession to the vein or lode. Where there is no known lode or vein, the fact must appear by the affidiavia of two or more witnesses, 50, By Section 2330, if is declared that no location of a placer claim, made after July 3, 1850, shall evected one hundred and sixty acres for any one person or association of persons, which locations that claim state they are such surveys, and hos such locations shall include more than tent for the states, systems of public surveys and the subdivision of such surveys, and hos such locations shall include more than tent the subdivision of such surveys, and hos such locations had been constructed to mean that are the subdivision of such surveys, and hos such locations had a placer claim can deter May 10, 1872, shall conform as nearly as practicable with the United States systems of public surveys and the subdivision of such surveys, and the subdivision of such survey

near as practicable.

near as pracuration.

6. The first care in recognizing an application for patent upon a placer claim must be exercised in determining the exact classification of the lands. To this end the clearest evidence of which the case is capable should be presented.

(1) If the claim be all placer ground, that the thirst be stated in the application and corriborated by accompanying proofs; if of mixed placers and lodes, it should be so set out, with a description of all known hodes stuated within the boundaries of the claim. A specific declaration, such as is required by Section 2323, revised standes, must be turnished as to each tode intended. to be claimed. All other known lodes are, by the silence of the applicant, excluded by law from all claim by him, of whatsoever

to be claimed. All other known lodes are, by the stener of the applicant, excluded by has from all claim by him, of whatsoever nature, possessing of otherwise.

In the control of the con

there and underground workings, whether placer or lode, for mining purposes to these data, which the law repurses to be shown in the cases, the departy should report with reference to the proximity of centers of tradeour residence, also of well-known sytems of boile deposit or of unityidual bodes. He should also report as to the use or adaptability of the claim for placer into increase whether water has been brought upon it in sufficient quan-try to mine the same, or whether it can be precurred for that purpose, and, finally, what works or expenditures have been make by the claimant or his grantors for the development of the

make of the same of one and location with respect to the same claim, and then stitution and location with respect to the same of this examination should be reported by the deputy under oath to the surveyor seneral, and diviscorroboated, and a copy of the same should be turnished with the application for patent to the claim, constituting a part thereof, and methoded in the

outh of the applicant out of a part of the mand of a control the applicant of Applications awaring entry, whether published or not, must be made to conform to these regulations, with respect to examination as to the character of the land. Entries already

made will be suspended for such additional proofs as may be deemed necessary in each case.

6). Section 2337 provides that "where non-unineral land not contiguous to the vein or lode is used or occupied by the pro-prietor of such vein or lode for mining or milling purposes, such prictor of such vein or lode for mining or milling purposes, such non-adjacent surface ground may be embraced and included in an application for a patent for such vein or lode, and the same may be patented therewith, subject to the same preliminary requirements as to survey and notice as are applicable to veins or lodes; but no location hereafter made of such non-adjacent land shall exceed five acres, and payment for the same must be made at the same rate as fived by this chapter for the superficient owing a name in connection therewith, may also receive a patent for his millisite, as provided in this section."

6. To avaid themselves of this provision of law, marties holding

owining a name in connection therewin, any axis or receive a parent for his milistic, as provided in this section.

65. To avail themselves of this provision of law, parties holding the possessory right to a vehi or lode, and to a pine of monumeral and not contituous thereto, for mining or miling monumeral and not contituous thereto, for mining or miling or miling section 287. United States, revised statutes, or prior law, under which the land was appropriated, the proprietors of such vehi or lode may file in the proper land-office their application for a patent, under oath, in manner already set torth herein, which application, together with the plat and field-notes, may include, embrace and deserble, in addition to the vein or lode, such non-outignous millistic, and after the proceedings as to notice, etc. a patent will be issued conveying the same as one claim.

66. In making the survey in a case of this kind, the lode claim should be described in the plat and field-notes as "Sur, No, 37. A" and the millistic as "Sur, No, 37. B," or whatever may be is appropriate numerical designation; the course and distance from a corner of the millistic to a corner of the lode claim to be in-

appropriate numerical designation; the course and distance from a corner of the millistic to a corner of the lode claim to be invariably given in such plat and field-notes, and a copy of the plat and notice of application for patent must be conspecuously posted upon the millistic as well as upon the vein of lode for the control of the millistic as well as upon the vein of lode to the control of the plate of the consequence of the control of the plate of the control o

on since of a variety and acceptance of a variety a pacent of the smillsite at said price per acre.

68. In every case there must be satisfactory proof that the land calined as a mill-site is not uniperal in character, which proof may, where the matter is unquestioned, consist of the sworm statement of two or more persons capable from acquaintance with the land to testify understandingly.

#### POSSESSORY RIGHT.

60. With regard to the groots measure to establish the passessory right to a uning min sessing to establish the where sets of the partial part

neign to establish a right to a patient thereto under this empirer, in the absence of any averse claim, in the absence of any averse claim, in the absence of a proof, and the absence of a proof, more especially in the case of old claims located many years, since, the records of which, in many cases, have been destroyed by fire, or lost in other ways during the tapse of time, but concerning the possessory right to which all controversy or litization has long been settled.

11. When an applicant desires to make his proof of possessory.

12. When an applicant desires to make his proof of possessory.

71. When an applicant desires to make his proof of possessory right in accordance with this provision of law, he will not be required to produce evidence of location, cupies of conveyances or abstracts of the, as in other cases, but will be required to no characteristic of the same of the required to no characteristic or the state of territory, log-ether will his sworn statement giving a clear and succent narration of the facts as to the origin of his title, and likewise as to the continuation of his possession of the mining ground covered by his application; the area thereof, the nature and extent of the mining that has been done thereon, whether there has been any opposition to his possession. oone mercon, whether there has been any opposition to his lossession or literation with regard to his claim, and, if so, when the same ceased, whether such ressation was caused by compresse or by publical detection, and any additional facts within the chainsant's knowledge having a direct bearing upon his possession and bona fides which he may desire to submit in support of his claim.

2. There should likewise be filed a certificate, under seal of 72. There should likewise be filed a certificate, under seal of the court haying jurishedron of mining cases within the judicial distract embracing the claim, that no suit or action of any character whatever motiving the right no possession to any portion of the claim applied for is pending, and that there has been no trigation before said court affecting the title to said claim or any part thereof for a period equal to the time fixed by the statute of limitations for mining claims in the state or territory as aforesaid, other than that which has been finally decided in favor of the formers. elannant.

claimant.
73. The claimant should support his narrative of facts relative to his possession, occupancy and improvements by corroborative testimony of any disinterested person or persons of credibility who may be cognizant of the facts in the case and are capable of

restriying understandingly in the premises.

7. As a condition for the making of application for patent according to Section 2325, there must be a prefiminary showing of

work or expenditure upon each location, either by showing the full amount sufficient to the maintenance of possession under section 223 for the pending year, or, it there has been fadure, it should be shown that work are been resumed so as to prevent re-beatton by adverse parties after abandonnent. The "pending year" means the calendar year in which application is made, and has no reterence to a showing of work at date

tinal cutry

75. This preliminary showing may, where the matter is un-questioned, consist of the affidavit of two or more witnesses familiar with the facts.

#### PROOF OF CHILENSHIP OF MINING CLAIMANTS.

76. The proof necessary to establish the entrenship of applicants for mining patents must be made in the following manner cants for mining patents must be made in the following manner. In case of an incorporated conquiry, a certified copy of their charter or certificate of incorporation must be filed. In case there are a majority of a continuous properties of the filed per mix authorized agent, made upon his own knowledge or upon information and belief, setting bottle the residence of each person forming such association, must be submitted. This affi-dayit must be accompanied by a power of afformey from the particle forming such association, authorizing the person who makes the affidavit of entirenship to act for them in the matter of

Hierapplication for patent.
77. In case of an individual or an association of individuals who do not appear by their duly authorized agent, you will require the athliaxit of each applicant, showing whether he is a native or a naturalized entiren, when and where born and his

7s. In ease an amplicant has declated his intention to become a effizen or has been naturalized, his athidayit must show the date, place and the court before which he declared his intention, or from which his certificate of effizenship issued, and present residence.

The affidavit of the claimant as to his citizenship may be 79. The affidiaxt of the chainant as to this citizensing may be taken before the register of receiver, or any other officer author ized to administer oaths within the land district, or, if the claim aft is residing beyond the limits of the district, the affidiaxt may be taken before the clerk of any court of record or before any notary public of any state or territory, so II citizenship is established by the bestimony of distinct ested persons such testimony may be taken at any place before any person authorized to administer oaths, and whose official electrostics soly vertice.

character is duly verified.

#### ADVITEST OF ATMS

st. Section 235, and the act of April 28, 1882, provide for adverse claims, it's the time within whi is they shall be filed to have legal effect, and present the the manner of their adverse mining claim units be filed with the register and received of the land office where the application for patent which the land is stimuled at the time of thing the adverse claim. It must be on the oath of the adverse claimant, or it may be verified by the oath of any duly authorized again or attorney in fact of the adverse claimant, or an average of the adverse claimant, or an adverse claimant, or an adverse claimant, or an adverse claimant is without the time of the adverse claimant of the facts stated.

33. Where an agent of attorney in fact vertices the adverse claimant in mist distinctly swear that he is such agent or attorney in accordance for the adverse claim within the band distinct via metallication of the adverse claim within the band distinct where the claim is situated.

35. The adverse indice must fully set portly the nature and extent of the inferterence or conflict, whether the adverse particularly as a purchaser to valuable consideration or as a bosolor if the torner, a certified copy of the ostinal beating, the current of from the olders in the purple received submit the intrinsicular the transfer of the purple received one be with mattact the entermstances attending the purchase, the date thereon, and the amount pand, which facts should be supported by the advance of more withesses, it any were present at the time and if the claims as a location in mist the adverse claimant to file a plat showing his entire examples received.

may be shown, it will be incumbent upon the observe claimant be in pad showing his entire chain its relative situation or position with the one against which he claims and the extent of the coullet. This plat most be made from an actual survey by a United States deputy surveyor, who will otherally certify thereon to its corticutes, and in addition the remist be attached to such plat of survey a certificate or system statement by the surveyor as to the approximate value of the bluor performed or improvements made upon the claim by the objects partly or his produces sessors in interest, and the plat most surface the position of our claim of the partly opposing the application and by which portropositions for patent describes the chain by legals when the partly of the application for patent describes the chain by legals who when partly and improvements we to made. Provided, however, that if it application for patent describes the chain by legals who when partly on the adverse claimant it also claimon, by legal submysions, has describe his adverse claim in the same manner without in their surveys or blut.

SILVEY OF PLAT.

5. I poin the torogoing being filled within the sixty days as atoriesmal, the register, or in his absence the receiver, will 200 notice in writing to both parties to the contest that such adverse chain has been filled, informing their that the party who filed the adverse chain will be required within thirty days from the filled was such thing to commence proceed uses in a courf of competent introduction to distinguish the competent intershelping to be sometimed the customer of tright of possession and to prosecute the same with reasonable diagence to final vide uncert and that should such adverse clammat lat to do so his adverse clammat that should so possession the application of the filled proceedings of the processing of

ss. When an adverse claim is filed as aforesaid, the register receiver will indorse upon the same the precise date of film; and preserve a record of the date of notifications issued thereon

and preserve a record of the date of mothesitions issued thereon, and thereafter all proceedings on the application for patent will be suspended, with the exception of the completion of the pulsetion and posting of notices and plat and the filling of the necessary proof thereof, until the controversy shall have been adjudenced in court of the articles controversy shall have been adjudenced in court of the articles of an ideal and soft thereon commenced within the statutory period and final independent of the remaining the right of possession rendered in favor or the applicant it will not be sufficient for him to file with the register a certificate of the clerk of the court, setting north the racks as to such independent, but he musk, which is sufficient to the certificate of the other exchange of the properties of the court is the other exchange on the order exchange on the sufficient of the certificate of the court to that detect or a certificate of the clerk of the court to that detect or a certificate or of the order of a certificate of the court to that offect or a certificate opt of the order of

clerk of the court to that effect or a certified copy of the order of dismissal will be sufficient.

20. In no case will a relinquishment of the ground in control versy of other proof, filed with the register or receiver, be ac-

cepted in her of the evidence required.

92. Where an adverse claim has been filed, but no suit com-32. Where an adverse chain has been men, on no sain commenced against the applicant for patient within the statutory period, a certificate to that effect by the clerk of the state courfication in the case, and also by the clerk of the cream court of the United States for the district in which the claim is

control that the required in applicant for patient under section saturated, with the required in applicant for patient under section 52%, revised statutes, or the assignce of such applicant, is not 52%, revised statutes, or the assignce of such applicant, is not entitled to make entry under said section and in no cases will the name of such party be inserted in the certificate of entry. This regulation has no reterence to proceedings under section 32%,

regulation has no reference to proceedings under Section 205, 94. Any party applying to make entry as fusisee must disclose mily the nature of the trust and the name of the cestin questions, and such truster, as well as the beneficiaries, must fur insits satisfactory proof of entreusly, and the names of beneficiaries, as well as that of the trustee, must be usested in the null certificate of entry.

9. An entry will be allowed until the register has satisfied humself, by a careful examination, that proper proofs have been fined upon all the points indicated in official regulations in torce and that they show a sufficient bona fide compliance with the laws and such regulations.

hin that they show a similar would be allowed by the substitutions.

96. The administration of the mining laws as prescribed by these regulations will be, so far as applicable, adopted for and extended to vlaska.

The ex-officio register, receiver and surveyor general, while 1. The ex-officio register, receiver and surveyor general, while acting as such, and their derks and deputy surveyors will be decemed subject to the laws and regulations governing the official conduct and responsibilities of similar others and persons under general statutes of the United States.
(2) The commissioner of the general land-office will exercise the same general supervision over the execution of the laws as is or may be exercised by him in order numeral districts.

#### APPOINTMENT OF DEPLIA SURVEYORS OF MINING CLAIMS CHARGISTOR STRVIVS AND PURID ATIONS THES OF REG. ISTERS AND RECTIVERS, FRC.

97 Section 2331 provides for the appointment of surveyors of initiesal claims, authorizes the commissioner of the general land office to establish the rates to be charged for surveys and

for newspaper publications.

Under this authority of law the following rates have been established as the maximum charges for newspaper publications

established as the maximum charges for newspaper publications in mining cases:

(1) Wherea duity newspaper is designated, the charge shall not exceed \$5 to each four lines of space occupied, and where a weekly newspaper is designated as the medium of publication \$5 to the sum space will be allowed, such charges shall be accepted as full payment for publication in each issue of the newspaper for the efficiency publication are subjected the efficiency and the courant her district proof required by law.

It is expected that these notices shall not need to see a blue variety and the courant her description in the state of the results of the courant her description in the state of the courant her state of the casual book type used for advertisement, and they are to be also shall be a supposed to the publication of catalons in courses of the charges involving the character of lands, the charges shall not exceed so to two publications.

involving the character of limbs, the charges shall not exceed 8s to true publications in weekly new supers or short publications in daily new spapers for thirty days.

3s The survoines general of the exceed districts will in particular transfer of the entry of the exceed districts will in particular transfer of the survoy of mining claims as may seek such appointment, it being definedly understood that all expenses of these notices and survoys are to be bothe by the mining chain and not by the United States, the system of making deposits for innertal survoys, as required by previous districtions, for including the production of the United States, the system of making deposits for innertal survoys, as required by previous districtions, for including the survoy of the production of the Control of the Contr

the material societies, as required by previous architectures, on the control of emphorms any deputy surveyor within such destruct the option of emphorms any deputy surveyor within such destruct to e. With regard to the platting of the call and other office work in the surveyor general's other, that other with make an estimate of the cost thereof, which amount the estimate val depositor with favor of the United States treasurer or design freed to provide a surveyor and the United States treasurer, to be provided to the credit of the fund created by "mutydual depositors for surveyor of the public kinds," and the with the surveyor general duplicate certification of such depositor in the unstall manner are the surveyor security of makes on the usual manner and them as a surveyor security of makes of the control in cach mining district for the greater convenience of maters.

The usual oaths will be required of these deputs a and their assistants as to the correctness of each survey eyes to be determined.

The duty of the deputy numeral surveyor ceases when he has executed the survey and returned the field-notes and preliminary plat thereof with his report to the surveyor-general. He will not be allowed to prepare for the mining claimant the papers in sup-port of an application for patent or otherwise perform the duties of an afformey before the land-office in connection with a mining claim.

dami.

The surveyors general and local land-others are expected to report any intringement of this regulation to this office, i.e., the law requires that each applicant shall file with the register and receiver a sworm statement of all charges and tees rid limit on those and tor survey, together with a factorized to publication of notice and tor survey, together with a factorized to report to the rester, which is the control to require the property of the rester, which is required to be transmitted to this other for the into the control of the control of

revised statutes, paragraph 9.) 105, All tees or charges under this law may be paid in United

States currency, 106. The register and receiver will, at the close of each month,

16. The register and receiver will, at the close of each norm, forward to this other an abstract of mining applications filed and a register of receipts, accompanied with an abstract of mineral 16. The trees and panchase money received by registers and receivers must be placed to the eredit of the United States in the distance, and monthly and quarterly account, charging up in the distance, are considered as the control of the register and receiver may be respectively cuttled as less and commissions, with limitation of the control of the fations in regard to the legal maximum.

# PROCEEDINGS BEFORE THE REGISTER AND RECEIVER AND SURVEYORS GENERAL IN CONTESTS AND BEAUTINGS TO I STABLISH THE CHARACTER OF LANDS.

tos. The urules of practice in cases before the United States os, the trues of practice in cases actore the timen stand district land-offices, the general land office, and the department of the interior," approved August 43, 1883, will, as are as applica-ble, govern in all cases and proceedings arising in contests, and hearings to determine the innertal or non-mineral character of

learnings to occurrence for the state of the

(10) Hearings to determine the character of land, as practically distinguished, are of two kinds (1) Where hards which are sought to be entered and putented as agricultural are alleged by althoryt to be numeral or when soughl as unineral their non-mineral character is alleged. The praceedings relative to this class are in the nature of a contest between two or more known parties. (2) When lands are returned as unneral by the surveyor-

general.

(2) When kinds are returned as immeral by the surveyor-general.

When which kinds are small to be entired as agricultural,
When has because by publication for thirty days, with posting in the bead office for the same period.

HI. At the hearings under either of the aforesial classes, the claimants and witnesses will be thoroughly examined with re-gard to the character of the Lind, whether the same has been thoroughly prospected; whether or not there exists within the finet or tracts claimed any lode or vein of quartz of other rock in variable deposit which has ever been elamed, located, recorded or worked, whether such work is entirely abundoned or whether occasionally resumed, it such lode does exist, by whom claimed, under what designation, and in which subdivision of the land it has, whether any placet nime or muse exist upor the kind, it so, what is the character thereoff whether of the shallow surface to what event minute is carried on when water can be obtained, and what the haelities are no obtaining water for mining pur-poses, upon what particular for against subdivisions minute has been done, and at what time the land was alsondoned for mining purposes. purposes, it abandoned at all.

112. The testimous should also show the agricultural capacitic

112. The bestimous should also show the agricultural capacities of the land, what kind of crops are raised the term, and the value thereof. The miniber of acres actually califyated for crops of extends or verefables, and within which particular tensiere subdivision such crops are taised, also which of these subdivisions embraces the improvements given in detail the extend and value contains the improvements given in detail the extend and value tensing of cand mining improvements.

16. The testimous should be as tall and complete as possible, and in addition to the leading points indicated above where an attempt is made to prove the immediach and character of lands which have been entered under the agricultural laws, it should show all what date, it at all, value die agricultural laws, it should show at

to exist on the lands, 114. When the case comes before, this office, such decision will 114. When the case comes before this office, such decision will be made as the law and the fact, and justify, and in cases where a survey is necessity to set apart the numeral from the arrival limb three persons instructions will be given to enable the proper party, at its own expanse, to have the work done, at his opinion, either by A finite State deputy, county or other local surveyor, the survey in such vary, where the chains to be segmented are went or lock chains, must be exceeded in such number. as will conform to the requirements in Section 2320. United States

revised statutes, as to length and width and parallel end-lines. 115. Such survey when excented must be properly sworn to by the surveyor, either before a notary public, other of a court of record or before the register or receiver, the deponent's character and credibility to be properly certified to by the officer ad-

ministering the oath.

ministering the outh.

16. Upon the filing of the plat and field-index of such survey, duly worn to as aforesaid, you will transmit the same to the arrevoy-egeneral for his verification and approxia; who, it he hads the work correctly performed, will properly mark out the same upon the original township plat in his office, and turnish and possible and to the same and triplicate town-dup plats respectively.

17. With the cupy of plat and description furnished the local discussion like office and the solite must be a diagram tracing, verified by the surveyor-general, showing the claim or claims seggregated, and designating the separate tractional agricultural tracts in each with No. 1 in careb section, and giving the area in each lot, the same as provided in Paragraph 6.5, in the surveyor diminic claims.

same as provided in Paragraph 45, in the survey of mining claims

on surveyed lands

of Survived and the certain tract of land is decided upon restaining to be universal in characters by no means equivalent to an award of the land to a namer. A uniner is compelled by law to give skyl days' publication of notice, and posting of diagrams and notices; as a preliminary step; and then, before he can enter the land, he joints show that the land yields junctait that hers the land, he must show that the kind yields mineral; that he is entitled to the possessory right thereto in Artice of compliance with local customs or rules of miners or by virtue of the statute of limitations; that he or his grantors have expended, in actual labor and improvements, in amount of not less than \$500 thereon, and that the claim is one in regard to which there is no contro-versy or opposing claim. After all these proofs are med, he is entitled to have a survey made at his own cost where a survey is required, after which he can enter and pay for the land em-braced by his claim.

tty. Blank forms for proofs in mineral cases are not turnished 

Approved December 19, 1891.

JOHN W. NOBLE, Secretary.

# DECISIONS OF THE SECRETARY OF THE INTERIOR.

#### MINING CLAIM PUBLICATION OF NOTICE

The notice of application for numeral patent must be published in the newspaper issued nearest to the claim.

ushed in the newspaper issued nearest to the canin.

2. A stattle provabing for the service of notice by publication should be strictly observed in order to give jurisdiction.

3. A case cannot properly be reterred to the board of equitable adjudication for settlement where no legal notice has been given of the application for patent, as by such omission no opportunity has been given protestants to assert their rights, it they have any [Rendered February 5, 1892.]

#### MINING CLAIMS MILLSTLE IMPROVEMENTS

The erection and maintenance in good taith of dwelling houses 1. The creepon and mannermore ingood faint of dwening houses for the occupancy of working employed for purposes in con-nection with a mill for the reduction of ones is such a use and occupancy of the land as will justify the granting of a mill-sife order of the conse-

occupancy of the land as win pustay in granules are cutty of the same.

2. The erection of such houses is clearly a substantial use and improvement of the land. They become a part of the ready and would pass by a convexious modulation of working and working as the convexious modulation of working complete on with the until the land is used for milling proposes, [Rendered February II, 1892.]

[Section 1982]

[Section 1983]

[Section 1983]

[Section 1983]

[Section 1983]

[Section 1983]

#### ADVERSE PROCEEDINGS REGULATIONS.

ADVERSE PROCEDINGS BEGLEATIONS.

I the department of the interior, in the exercise of its discretion, may suspend its regulations in order to around the perpectagories of the interior of its discretion in adverse claimant, who appears as a transferred to the will not detect his right to be heard where he has, in good tarth, compiled with the regulations of are as two possible to him to do sets should be treated as an irregularity and not as a detect that what he hearded as an irregularity and not as a detect that whates the adverse cannow there is no merson to the argument of the continuous and the continuous and a fine and not a statute, and the rule should not be extended as the continuous ampossibility or in work an influence.

To voint many under certain circumstances, awond on , et of ministee by the suspension of its rules, when its discretion may be fairly extensed. [Rondered Juny 8, 1992]

### STRVIA, OTHERAL CIRCLIAR DEC. J. 1884.

1. In the survey of a mining claim the end-line funct to mande at the point whose the inneral lode, in its offward coases of "strike," intersects an older of semior location, and the reginations of boccuber 1, 1881, to this effect are not in conflict with statutory

The right of location upon the inmetal lands of the United 2. The right of location upon the innertal lattics of the Critical States is a privilege granted by conjects, but if can only be executed within the minist presented by the dame. Any afternoon of the property of the pro

#### DIGESTS OF

# CORPORATION, LIEN AND MINING LAWS

OF THE

# STATES AND TERRITORIES OF THE UNITED STATES

1-00

#### COMPILED EXPRESSLY FOR THE MINING DIRECTORY

#### VL VB VVV

Compiled by Pri taxs, Tomary & Havaw, Afficine and Law 718t, Frances et , Mobile, Ala.

#### CORPORATIONS

(Code of Alabama, Sees, 157 et sec-

Corporations may be formed by Yvoro more person, Aloesha? file in the office of the index of probate of the county whereas said corporation shall have its place of business, a decimation signed by each of them, stating 1. Names and tensificies of distributions. 2. Names and tensificies of dispersions of an accordance of the proposed corporation.

3. The amount of vapility stock, and the number of shares in

- which it is divided.

  The general purposes of the corporation and the nature of
- the binsiness proposed.
  The principal place of business of the corporation.
  Such other matters as the incorporators may do in a decidar.
- ble to state

tomMISSION ISSUED. On the filing of the declaration above mentioned the judge of probate must issue a commission to two or more subscribers, who are their judicity of to open books of subscription

STISS HIPTONS TO STOCK AN SECRETARY MORE BOARD AND STREET AND STRE 10) Stock, find such officer which the first proportion require payment in easily of twenty per cent of such a disserption from each subscriber who has not received the privide of of discharging such subscription in stipulated services on convexing of properly and from the subscriber's who have reserved the privilege of discharging their subset promound environs or properly, contracts in writing building them to the rendition of the services or to make transfer of the property at societies as the board of directors

may appears.

The proceedings of the meetings must be reduced to writing, signed by the subsections and delivered to the commissioness who must technically the the same with the neigh of preferable objects the other is signated to tree we the subset plants made radio a copy thereon verified by the artistant, statum is such adoption to making the other subset plants and the subset of the subset of the radio parameter and trunk which he has accepted out must also be mentioned. This copy must also be fixed in the other of the unity of probabilities of things of these papers the made of probabilities of the mean potential.

threate of meor peration.

Town Rs of Confederations 1, To have succession by the corporate name for the period expressed in the declaration and if a period of time be not expressed perpetually 2. To such and the success and the succession of the succesion of the succession of the succession of the succession of the

manusciment and control of its affairs, and the uses and dispession of its property and for the transfer of its stock, and for the continuous dispession and in mpon the stances of its stock, highers for the payment of any debt of highlighty they may ment to the corporation, or, for carry on the business or accomplish the purposes expressed in the declaration. To borrow mency, well or personal, and 3s tranchises, to seeme the payment of the original property, and to mortgage or otherwise convey or pledge its property, well or personal, and 3s tranchises, to seeme the payment of the index vs observation of any office delt contracted by it, but if has not prove to borrow a sum a veceding its capital stock, or all article at indexed veceding right per out, payablessem animally, article at indexed veceding right per out, payablessem animally, we see than by the consent of the hodders or the larger part in value of the capital stock, expressed by vote, at a meeting of the stockholder (all the value) to the purpose for which it is eafled, thurly days notice is given each stockholder personally, whose residence is known and by published nearest the place of business of the corporation.

newspaper published nearest the place of business of the cor-poration.

Ariotities via Powerrs. Such corporation, when duly organ-ized, has, in addition, power belowdy, construct and operate, to and from its manes, furnaces, and, factories, quarties or other than the manes for the second of the properties of the processing of the practicase indivacys, transparent of modes whereforce inter-tion may be made beamly with the principal plan of its business, as mine. In transces, and it has been quarties or other work, and any public legislaxy, transparent quarties of other work, and any public legislaxy, transparent grounds, or timber lands, or canals of a quarties, and any wrees of water contrast, and such capacitating has also posted to transparent, as a common of each of appendixed in the such than the properties of the processing of appendixed, constructed to prochased by it, taking tensor object-cumpulation. It necessary in the construction of such capa-cipation is the processing of the processing the corporation has aquediated, trailways, frameway or toads, the corporation has aquediated, and the processing of the processing of the con-putative property, for a way and right of way, in the mode pre-scribed by facility and the processing of the way for exceeding on hundred beet in width throughout the whole tright of such capital or the con-bunded to clock and the construction of the contribution of the con-temporation of the construction of the processing of the con-temporation of the construction of the contribution of the con-temporation of the conbuilded beet in width throughout the whole length of such canal, aspending Ladyway, trainway or noral and without the constructed through the yard, according stable for such a feel through the variables of a absoling house. The such constructed through the variables of a absoling house. The such convenient to the such a such construction has been such as the such

overporation, actived by such conjugation over or up a resolve and railway of tannyax, upon the payment of a just and reasonable compensation tor such earlings.

CHOSSIND, PLATER ROYES, SHELLY, XVALCALLY WALLES COPPORATION, PLATER ROYES, ALBERTY, XVALCALLY WALLES COPPORATION, THE CHISTOPHER OF THE ACTIVATION OF MIXING AXIO QUARTETYS. CORPORATIONS AND WOOD INCOME AND CONTROL AND WOOD INCOME AND CONTROL AND CONTROL WALLEST OF COMPONIA CONTROL AND WOOD INCOME AND CONTROL A

NAME AND CHARTER OF NEW CORPORATION. The consolidated corporation may adopt the name and charter of either corporation, and may make such changes as to amount of stock and directors as may be deemed proper.

PROFERIA REGIES AND LIMILITIES OF NEW CORPORATION. The consolidated corporation is entitled to all the property and rights of each, and liable for the debts of each and pending suits shall proceed in the name of the consolidated corporation procession.

penoms suns snar process in the name of the consonator con-poration.

BOMD OF DIRECTORS,—Are elected animally by the stock-nolders. Anemers are filled by the board of directors.

TVER ASS OF CAPITAL STOCK.—Capital stock may be a sum not exceeding for million dolfars, by the of stockholders holding the larger meriting called for this purpose must be more one-stockholder needing called for this purpose must be found such stockholder personally, and by publication in a newspaper published in the place where the corporation is located. The proceedings of the meeting, signed by the president, must be filed and recorded in the office of pidge of probate. Stockholders are entitled to a predecence in taking the increased stock.

MAY ALFER OF AMEND THE CHARTER. Corporations may not do not less than three-fourths of the stockholders, holding not less than three-fourths of the stock, after or amend the clienter by thing, in the office of the judge of probate where the original declaration is filed, a declaration in writing, signed by then, setting both the name, purpose of the corporation, and

charter by filing, in the office of the indge of probate where the original declaration is fined, a declaration in writing, signed by them, setting to the the name, purpose of the corporation, and usiness, capital stock subscribed for and taken, and the proposed changes, which declaration must be verified by affalact to one of the supersy, stating that the story is the corporation of the presence of affaint, or acknowledged their signatures thereto. Upon the anthony is the comparison of the corporation to do business under the anended acclaration. Acts of Mahama of 1888, 84, 9, 29.

May Hold Stockholmers (NA) DIRECTORS METINES A OTHER SYMS OF THE VALUE OF THE ACCOUNT OF THE CONTROLLERS (NA) DIRECTORS METINES A TOHER SYMS OF THE VALUE OF THE CONTROLLERS (NA) DIRECTORS AND HERDENS AND THE CONTROLLERS AND HERDENS AND THE CONTROLLERS AND HERDENS AND THE CONTROLLERS A

nce of process on the corporation. (Acts of Alabania, 1888-8), page 76.

LFGAL SERATER OF OF TROEESS IS obtained against a corporation by leaving copy of same with the president, or other head thereof, sceredary or agent, (Tode of Alabania, Sec. 265.)

Stockholders are personally limbe only for amount of unpaid subscription on stock. (Construction only for amount of unpaid subscription on stock. (Construction of Alabania, p. 47, 802-8.)

FORFIGE OF TROESS AND ACT OF TROESS OF TROES

Liens of mechanics and naterial-men, under Sec. 3018, code of Alabama, et sep,, and as amended by acts of 1890 91, page 378, are governed as follows.

Liens Del Carletto Every mechanic, hrm, association, corporation or other person mirinshing labor or material for any building of improvement or utility of kind by contract with the owner, his agent or contractor or subscontinuous, as it in owner, his agent or contractor or subscontinuous, as it in owner, his agent or contractor or subscontinuous, as it is not such as the owner. The bent of the employes of the contractor for work of material shall extend only to the impad balance due to contractor, at the owner shall before partment demand a six of the persons furnishing labor or materials, with the terms and piece thereof, which the owners shall pay, and such payment shall be a proper credit on the contractor. Figure 18 payment shall be a proper credit on the contractor. Figure 18 payment shall be a proper credit on the contractor. Figure 18 payment is subscienced and employes from the contractor. Figure 18 payment is subscienced and employes a proper credit on the contractor. Figure 18 payment is the property to a level to the inflamment due to material men thereby allowing a hen to be fided against the property, he may be properly as the contractor fails to pay his employes or material men thereby allowing a hen to be fided against the property, he may be preferred or the property of the propert

lien, that he looks to the building or improvement for the pay-

lien, that he looks to the building or improvement for the payment of his claim.

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in justice country.

ENFORCEMENT OF ALDGARNIN, —Indements establishing thems are enforced by writs of fierf Incias or vendition exponsis. LEEN MAY BEASTIANED.—The lien may be assigned, and the assigned is thereby invested with all the rights and remedies of the original holder.

COSTS AND ATTORNEYS' FEES.—The lien when enforced by suit covers all costs and an attorney's fee, in the discretion of the court, not exceeding \$25.

#### MILLDAMS

MILLDAMS

The laws relating to dams for mills, gins and factories, under Sees, 3184 et seq., code of Alabama, are as follows:

EIRCHON OF DAMS, "A dam for any water gristmill, sawmill, gin or factory to be operated for the public may be creefed across any water-course, not a havigable stream, by the owner in fee of both sides, or "Application in writing for such erection must be made to the judge of probate, and must be verified by afficient in the property of applicant, application must be hade in county where the dam is to be creefed; it by owner of one side only it must be made in the county opposite where proposed site of the dam hes. The application must set to the triple of applicant to make same, the purposes of the dam, description of the family dam between the purpose of the dam, description of the family made of the same stream if it has one, and location of the dam, mane of owner of oposite side and residence known, and whether such owner is of sound mind and of till age. WHIT OF AD QUOD DAMNIA. When such application is filed the judge of probate issues summons for seven distincted the land the such as the place where the dam is to be erected, not less than fifteen nor more than thirty days from the tiling of the place where the dam is to be erected, not less than fifteen nor more than thirty days from the tiling of the place where the dam is to be erected, not less than fifteen nor more than thirty days from the tiling of the place where the dam is to be erected, not less than fifteen nor more than thirty days from the tiling of the place where the dam is to be erected.

NATE of the beautiful the is a non-resident notice is given by publication for three weeks in nearest newspaper.

Mode of EVECUTING WHIT (TARGE TO AND DUTHES OF

tenant. If he is a non-resident notice is given by pionaration for three weeks in hearest messpaper.

Mone or Executing White Change to AND Diffuse of Juny – The shorth and the jury must attend on the day ap-pointed, and after the jury are sworn by the sherift to dischare their duties tarrly and to the best of their ability, they must be

their duties tarrly and to the best of their ability, they must be charged by him.

1. To examine the land above and below belonging to others which may probably be overflowed or injured, and to ascertain and assess the damage sessifing from the erection of such dam to the overflowed or injured, and to ascertain whether the residence of any of such owners or of the outhouses, inclosures, gardens or orchards thereto inneshately belonging will be overflowed.

3. To ascertain whether the health of the neighborhood will probably be endangered.

4. To ascertain whether any other mill, gin, factory or water-

4. To ascertain whether any other mill, gin, tactory or waterworks will be overflowed.

strong probably be endangered.

4. To ascertain Mether any other mill, gin, factory or water-work will be overflowed.

A to ascertain whether any other mill, gin, factory or water-work will be overflowed.

A to ascertain the probably and the source of the land on both sides of the stream, the jury must also be charged to ascertain and assess the value of one care of land on the opposite side, to include the place where the applicant would about his dam, and to locate and eitermiserinch the sime by metes and bounds, having a discreasified to the interest of all parties.

I the applicant would also have the owner of the process of lands on its essential to the impost the owner to be proceed and so issuessed, and also owners of lands on indexing the impost to be hable to damage, are summoned to show or assess that the county, or it not by posting pay early at consistency of the source of the service of the serv

# THE MINING DIRECTORY—LAWS. STATE DIGESTS

factory is destroyed or materially impaired, the same must be resonall or repaired within three years thereafter; but if the owner of such dam is an intant or person of insonid mind, he salioned he same length of time, after the removal of such disability, to commence, finish, rebuild or repair.

WIFF CAYACLE VIA ESSARY TOR THE ERFCHON OF MILLS GIN OR FACTORY. The same proceedings are necessary as when it is proposed to creet a dam.

REFERSION AND REFOUNDED BY ARMONE Finding to comply with the conditions required by law operates as a revocation of the grant, and the land record sits former owner of in Stern WHO MAY CONTEST AND ATTON. Any person making affidant that he is interested, and groung scentrally for costs, may become a partly and contest such application.

davit that he is interested, and giving scentify for costs, may become a party and contest such application.

LIMBLITY OF THE PROOF OF RAISING DAVI WITHOUT ALTHORITY OF THE PROOF OF THE RAISING DAVI WITHOUT ALTHORITY OF THE PROOF OF THE PR

### 11.15151

The United States mining have are the laws in torce and it lat up to mining in the district of Alaska. See "originic act," an an providing a cast government for Alaska. See "originic act," an approved way 17, 1881, Seeffon S, entitled "An There is no special statute relation to quartance, but under the rulings of the courts "quartance in a probability should be provided and patient as placed supplied should be a provided and the patient of a place chains, standomery chain." In control of the courts of the supplied in the provided and patient of the pati

### VRIZON \

Compiled by FRANCIS A. HENLY, Althouses at Fig.

The ambiguities, bad stational are, were parietization con-larged in the roboting digest are size to their translations of sections of the conf. which have not as very been constrained by our courts. Let  $W_{\rm b}$ 

#### CORPORATIONS

MINIMO, TORMATICS OF Any mander of persons may as sociate themselves together and become mortionated for the transaction of any lawfed business. After a soft necessitation

security themselves together and become morporated for the Braisachton of any lasted bus ness. Attacks at a merpeal comporator in the continuous and a capparative in the properties of the capparative in the continuous and the continuous and the continuous theorems. A capparative desired bearings.

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office of the secretary of the territory where such filing is necessary, within three months from such filing in the recorder's office. No change in any of the foregoing particulars shall be read of the second and published as the original arrives are required to be; nor shall any change be made at any time of in any manner which would be meanished with which provisions of this red.

The corporation should not be discribed order to the partial to the Theoremsetton with the provisions of The corporation shall not be dissolved prior to the period fixed

in manner which would be meanisted with the provisions of this set.

The corporation shall not be dissolved prior to the period boed in the articles of incorporation, except by minority of stock of its nembers, unless a resolution shall take place, index for its nembers, unless a resolution shall take place, index presented of its nembers, unless a resolution shall take place, index presented of the next and in alray or return of a shall take place, index presented of the terms in a diago or return go to emply substantially with the articles of meorporation shall be a misdementor, and point indement and convetion in a count of competent pulsation, then the party or parties so offending shall be jointshorted in the first of the shan stor, or more than shore over, or a fine and new first of the shan story or more than shore over, or a fine and inspressioned both, at the above any such transform any servor who has sustained in fluored the stock of a country by any corporation whereby anyone is murred shall be a misdement of the party of these concentred therein, and they upon tradition of the second of those concentred therein, and they upon tradition of the solution of the solution

criv or such morvaina).

For the purpose of making repairs, building or entairing or extraining works, or homeel confingencies, or for the purpose of providing a sinking function the payment of debts, the cooperation may extrabits in fund and bout the same out from time to time, taking in all cases a good and sufficient security for the aximent of the same. payment of the same

In any proceeding by or against a corporation, the court hany proceeding by or against a corporation, the court shall have the power to connect the others so the corporation, or motion of either party, upon proper cause, being shown, to produce the books of the corporation, and when so produced either party may use the same in evidence.

party may use the same in evidence.

Persons acting as composition under the provisions of this act shift be personal to be begath organized until the contrast is stated by the personal to be defined by defended to be actuarly sessional portected, except in a regular proceeding brought for that purpose. No persons acting as a corporation under the provisions of this act shall be permitted to extragally actually desired as a colporation of the actual states there are objectively and of a legal organization as a domain under the mass a colporation such and may be soon that no contract properties and the actual contract properties and the properties of th

permitted to rely upon such want of legal organization in his of leaves.

No competation organized under the provisions of this set for for the purpose of doing a main or unanimetering distances shall have power to construct an organized under the probability of the purpose of doing a main continuation of the purpose of the property of the probability o

months after the commencement of such absence of such agent. months after the commencement of such absence of such agent the right to transact business by the corporation represented by such acent shall cross, and all acts or contracts performed or made thereinter shall, at the option of any person interested, be described to the contract of the contract of the con-cept of transaction of the contract of the contract interest transaction of the contract of the contract interest to the contract of the contract of the con-poses, hold, require or own at any one time not more than three hundred and twenty across of real estate, evelusive of numes and numeral hundred and fand necessarily or convenient for numes, suching, reducing or working ores, or for manufactur-ing or commercial purposes.

#### LHENS

All persons who may labor or furnish material or any kind in the construction, afteration or repair of any canal, water-offen, funne or aquedinet or reservoir, bridge, tence or other structure or improvement, and to whom money or wages are due or owing finne or aquiednet or reservoir, bridge, tence or other structure in improvement, and to whom money or wages as in due or owing theoreter, shall hereafter have a ben upon the same for such same as are omigined. At inners, there is such that the bottom wages are due or upon any name or mining claim, and to whom wages are due to reselvation or inport and more or mining claim, and to whom wages are due to reselvation or inport and same the result to whom a set in the construed to include all centractors, subcontractors, are therets, bubblers and per suns who have the clarge or control cany mine, mining claim, canal, wate-sitted, blume, equicalled, or any mine, mining claim, canal, wate-sitted, blume, repredict, other property or thing upon which labor had been performed or any mine and may be a subcontractors, and the claim shed. The hens provided from this set are perfected to all bears, mortgages and other menulorances which shall have attached upon the property subcognized to the time bencheder had no integer and other terminations of the time bencheder had no integer and other actual because of which the limit before the discontinue for a longer period in asy months after the sling thereof in the county recorder's office of the proper county, unless suit is brought within such period in the proper county, indeed and the proper of the same, it suits to entered here with a proper size of the same, it suits to entered here a find a part may be unlessed as a failure of part and part may be unlessed as a natural way be nounced as a failured as a part may be some as a shall the same and a part may be unlessed as a natural way be nounced as a failured as a part may be suited.

force fews all foundates interesteding) be joined as painting where their interests do not conflict, and it cases of coulifer of interests a part may be joined as plainfills and a part may be made detendants. The assume of any contract or account for natterial furnished or labor performed may affect, file, record and entorec the same as it he had been the original owner or

holder thereot.

The procedure to enforce the ben provided in this act. shall, be the same as in other civil cases

#### MINING.

The mining districts heretotore or hereafter created in the sev-

The mining district, herefulore or hereafter created in the second comitise of this territory are hereby authorized and empowered to make all necessary rules and regulations for the heatton, gestering and working or mines therein, provided, that all locations and registrations of mines and internal deposits hereafter made shall be filed with the comity recorder for record within sixty days after the same shall have been located. Size of claim, manner of bocation and animal work required to be done thereon are regulated sidely by United States statutes.

10x448 v.b.: Whenever adjacent or configuous infines, whether worked upon the same or separate lodes, have a common distriction of water those of the proportion of water upon neighboring mines. In case of failure to drain whereby occupints of adjacent of configuous mines are compelled to provide for water flowing in from first-mentioned mine, rates and chain shall be claim its all default shall pay their proportion of a chain and necessary cost of providing for said water, to be recovered by action, common interest, may quite in distanting sigh, numes, as a common distanting sigh, numes, as a consary cost of providing for said water, to be recovered by action, common interests may make in draming such mines, as a corporation, with all the rights, modents and babilities of a body caree as above indicated, one or notice of said parties, after tensorable indicated, one or notice of said parties, after tensorable indicated to others interested, may drain, durding and recovering by action the proportionate expense thereof. In an action to recover such expense, examination of the numes may be had become it all under order of court upon at least three days, notice, provided demandant has refused to make said examination. These provisions do not apply to monered or undeveloped natice.

legs to make same examination. These provisions on not apply a immogened or undervolped mass. For RL, Mines or interests therein belonging to estates of decedents may be sold by order to produce court having misdletion of the estate, upon position by party in interest, and personal service on all persons inter-ested in the estate of order to show cause, etc.

#### WALLE RIGHTS

The common-law doctrine of apparian aights is abolished. The common-has doctrine of rigarian rights is abolished. All privers, erecks, and streams of riming water are public and applicable to the purposes of irrigation and mining. Rights in accomas, or irrigating cands, bereforder established shall be disturbed, nor the course of such accomas be changed without controlled in the proposeros of such accomas be changed without corrupte shall be preterrible to all others, and shall not be obstuded or mining the proposeros of such as a proposeros of such restablished rights. Right to irrigate shall be preterrible to all others, and shall not be obstuded or imposerously the circumstance of any dam, and, machinery, or by any sluice or dyke, except for mining purposes or reduction of medas as hereignated provided. When reductions or other mining apparators shall be placed upon lands previously held for agricultural purposes the holder thereof shall be en-

held for agricultural purposes the holder thereof shall be en-titled to a renumeration to be fixed by appraisement of damages. EMINEYY DOMAIN.—The right of continent domain may be ex-cressed in behalf of canals, ditches, thinges, aqueducts and pages, for public transportation, supplying names and farming neigh-borthoods with water, etc.; roads, tunnels, ditches, thunes, pipes and dumping places for working names; also outlets, natural or otherwise, for the flow, deposit or conduct of tailings or retine-matter from names, also, an occupancy in common by the owners or possessors of different names of any place for the flow, de-posit or conduct of failings or retinse matter from their several names. inches.

#### ARKANSAS

Compiled by C. B. Moiorie, Afforney at Law, Little Rock, Ark,

#### CORPORATIONS.

There are no constitutional or statutory provisions especially

There are no constitutional or statutory provisions especially relating to mining or quarrying companies. They are incorporated under a senioral away provided for all morporated companies, by along articles of morpotation in the office of the secretary of state. There is no system of otheral examination, secretary of state. There is no system of otheral examination, to a secretary of state of the purpose of fixation.

An annual statement is required to be filled in the office of the county elect by every corporation, showing its financial condition. There are no forms prescribed by the law for meorporation of such companies. The corporation may be formed by three or more persons entering into articles of association for that purpose of the constant of the second of the county of the companies. The corporation who must be often of their number and the office officers. The articles of association, with a certificate, sworn to by the directors, must be filled with the secretary of state and clerk of the county where the corporation is to have its place of business. The corporation may, of course, issue and selfs dock. The capital stock has to be divided into shares of \$25 cach, and the number of shares if so the divided into shares of the county elects, and the content of the purpose. The stock can only be transferred on the books of the corporation in such form as the directors prescribe. A certificate of such transfer must be deposited with the county elects and clerk of such transfer must be deposited with the county elects and clerk of such transfer or stock holder is funded to the amount of his stock. His liability cases at the date of the intent of the transfer of his stock. It is liability cases at the date of the intent of the transfer of his stock. It is liability.

#### LIENS

All laborers, including miners in this state, who perform work under a written or verbal contract, have an absolute hen on the production of their labor and for materials trumshed, when impaid to the same. To avail themselves of such hen they must he a swon statement in the court having jurisdiction of the amounts, showing amount due, with list of haid, property, cross or other production of labor and materials markled. This sworm statement answers the processing attachment of the eventual most discussions and trust is laid as most discretched with is done. Summons issues and trial is had as in ordinary suits, if served thirty days before day of trial in circuit court and fendays before a justice of the peace.

#### MILLDAMS

Milldams may be erected at will across non-navigable streams, by the owner of the kind or stream, indees, likely to cause damage to the property or health or others. If they to so damage others, a petition must be filed in the circuit confit and a wiff of a secretar and report whether the dam can be reperted so as not to materially injure health and not to obstruct the passage of his, and it it may be erreded, to assers damages to owners of adjacent kinds. Provision is also made for condemning as much as one care of kind for abattenent of the dam if the budder owns only one side of the stream. Altifams not finally incoming with the wishall be deemed public missioness and dealt with accordingly.

The constitution provides for such laws as will toster and aid the agricultural, mining and manimacturing interests of the state, and for the health and safety of persons employed in min-ing. Under these provisions a lungua has been established, which is superintended by the commissioner of mines, maintageness and agriculture. His ditters soft as amise are concerned, is to keep a record of all individuals, companies and incorpora-tions engaged in mining for coal, manameses, silver, lead, copper-and other nunerals, and of all persons and companies marriage and to charge them seems and com-panies information as to extent of depost, output, cost of pro-taining and transportation, etc. He is required also to method ally arrange all such statistics, so as to furnish useful informa-tion to minigrants and persons seeking to invest capital in the state. The constitution provides for such laws as will toster and aid

# CALIFORNIA

#### COMPORATIONS

Compiled by Ground A. Johnson, Afford for Law, 14 Sansonie 8t., San Francisco, Callo Late Afford 9.4 (north).

Private corporations may be formed by the voluntary as constant of five or most persons, a majority of whom must be residents, and for any prepose for which individuals may havefully associat. Themselves,

ents, and for any propose for which individuals may havinly second, themselvs.

Attacks of me operation must set to the
1. He manner of the incorporation.
2. He purpose for which it is formed
3. He purpose for which it is formed
4. The beam to which it is foreign and the great set of
4. The beam for which it is foreign, not see along lifty years
5. The immer or all subjects is return as a first property of
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and by whom.

a pipointed for the first visite. And the nomine of thates at teached its divided.

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If there is a capital stool, the amount accounts of the original capital of the there are the particle of the original capital of the there is a provided in the capital of the original capital of the second capital of the original capital of the second capital of the original capital of the capital of

of the subscribed capital store of the subscribes on either to persons by proxy in writing.

BERF CONS A fundation of the directors constitute a quantum and cover decision of a mental volar a quantum exhall as a corporate net. The directors of corporations must not mide divergence of the expectation of the subscribes profits into must they divergence of the expectation of

mains upon the payment of the debts, upon the dissolution of the corporation of the explainton of its ferm or existence.

If we to METINES. The uncertaints of the stockholders and board of the first of a corporation must be heat at its solute of a corporation must be heat at its solute of the corporation of the first of the corporation must be heat at its solute of the corporation of the co

income most be extend which any portloying a previous one remains impartice, or per neer than causes specified. I very softed beying an issues smooth must specify the amount the reco, when, to whom any where pay doe, he was day on which the impand assessments shall be decreased in the less than that the major days serious that the control of the control of the major days serious that the control of the contr

of a comparint and the issuing of a summons within six months after such sale. At any time before the sale of delinquent slock, the board of directors may elect to wave turther proceedings for the collection of delinquent assessments, and may elect to proceed by action to recover the amount of the assessment and costs

ny acoust to recover the amount of the assessment and costs and expension to the analysis. CORPORALE FOWERS. The general powers are stated. It a corporation does not organize and commerce the transaction of its business of the construction of its work to the date of its meroporation, its corporate powers cease. You corporation shall assess the complex powers cease. You corporation shall assess the consistency processed and all fletifions in the corporation of the processed of the processed of the corporation may be reasonable to the corporation in the manner stated. The capital stock cannot be dimunished to an amount less than the indebtedness is the capital stock cannot be dimunished to an amount less than the indebtedness in the manner stated. The capital stock cannot be dimunished to an amount less than the indebtedness of the corporation. No corporation shall acquire or hold any more real property than may be reasonably necessary for the transaction of its business, or the construction of its works, except as otherwise specially provided.

Provision is also made for amending the articles of incorpora-

otherwise specially provided.

Provision is also made for amending the articles of incorporation, for keeping a record of all their business transactions, for keeping a journal of all meetings of directors or stockholders, also a stock and a transfer book, which are to be open to the inspection of any stockholder or creditor. The legislature may alway time amend or repeal the above, and dissolve all corporations recented thereunider but such amendment or remaid ons not nor time amend or repeat the above, and dissolve all corporations reguled thereunder, but such amendment or repeat does not, nor does the dissolution of any such corporation take away or in-part any remedy given against any such corporation, its stock-holders or officers, for any hability which has been previously in-

entried. The dissolution of corporations is provided for, which may be either voluntary or involuntary. Theses other persons are an pointed by the court, the directors or managers of the atlairs of such corporations at the time of their dissolution are fristees of the creditors and shockholders, and have full power to settle

such corporations at the time of their dissolution are fursives of the creditors and stockholders, and have full power to settle the allians of the corporations.

SERVICE ON FOREIGN CORPORATIONS. By a statute continued in torce, a corporation created by the laws of any other state, and doing business here, shall, within skyly days from the time of commencing to do business in this state, designate some person in the county in which the principal place of business is apout whom process may be served, and within the line of the shall be such designation. In the within the line offers, of state, and a copy of such state, and it shall be lawful of state, and a copy of such sprincipal place, shall be made on torcion corporations. Where such designation is not made, process may be served on any person within this state acting as the agent of sand corporation or doing business for them.

#### MINING

SPECIME PROVISIONS IN RELATION OF MINING COMPORATIONS. Any corporation organized in this state for the purpose of mining or carrying on mining operations in or without this state may establish and maintain agencies in other states of the finited States for the transfer and ssining of their stock, and a transfer or issue of the same at any such transfer agency. In accordance with the provisions of its hy-laws, is valid and bunding as fully as it made on the books of such corporation at its principal office within this state. The agencies must be governed by the by-laws and the directors of the corporation, and all stock of any such corporation session as such corporation session as a function of the corporation. the by-law and the directors of the europaration, and all stock of any size corporation is succeed at a translet agency must be signed by the proper time to secretary of the corporation, and counters to the time of the sissue by the negation and counter member agency. No stock must be issued at a transfer agency which is stock in hear of which the same is issued is at the time surrendered for cancellation. Two or more corporations to meed under the laws of this state, for anima purposes, which own or possess mining claims or ranks adjoining each other, or lying in the same vicinity, may consolidate their capital stock, debts, property, assets and transless as may be agreed upon by the respective boards of directors, but such consolidations half not take place without the wither consolidation of the shockholders representing type-thinds of the

ors, our such consolidation shall not take place without the written consent of the stockholders representing two-thirds of the equalat stock, and shall not reheve the stockholders or the compones from any and all just habilities, and in case or such consolidation, due notice shall be given by advertising for one month as prescribed. When the consolidation is complete, certificates are to be food or the consolidation is complete, certificates

pointes from any and all just habilities, and it case or such con-isolidation, the totale skall be given by advertising for one month as preserbed. When the consolidation is compile, or such as the such as the consolidation is compile, as the contain of skide, and after the notice is given as specified, a longed of directors to the consolidated companies is to be chosen as the stackholders for the year theorie ensuing. By a statute continued in for c it is made the duty of the secre-lary of evert minuse corporation to model in this state to keep a compilete set of books showing all receipts and even because such as the continued in the content of the state of the secre-sions of the composition of the state of the state of the cattled to be accompanied by an expert, who can make copies it is the dark of directors, on the birst Wonder of each month, to fathement of receipts and dislograments, showing sources of receipts and for what and to whom paid out, showing sources of receipts and for what and to whom paid out, showing sources of a habities and the between constitution of the president and secretary and posted conspicuously in the office of the company of each month to the with the separation beat on the test Monday of cond-month to the with the separation beat on the previous beautiful to each and abstancements by hum for the previous each month to the with the secretary an neutriconscionin, vermous showing all recepts and distinstenents by firm for the previous month, and for what distinsements were made, also a weekly statement, verified, showing the number of men under him, and for what purpose and the rite of wages, also be report under outh

the work done in the mine, the amount of ore extracted, from what part of the mine taken, the amount sent to mill for reduction. what part of the name taken, the amount sent to null for reduction, its assay value, amount of bullion received, amount shipped, and amount, it any, retained by the superintendent; also to forward to the company's office a report, verified, of all discoveries of ores or numerals bearing quartz made insaid mine, together with assay the company of the

penalty is provided for disobedience by superintendent or by the president, and also in case of the faithire of the directors to have the reports and accounts posted.

A MINING CAMM IS REAL PROPERTY. Real or unmovable property consists of 1. Land; 2. That which is affixed to land; 3. That which is incidental or apportenant to land; 4. That which is unmovable by law. Shifee-boves, flumes, hose, pipes, railway tracks, cars, blacks infit shops, infils and all other machinery tools used in making or developing a unite are to be deemed affixed to the unite. A thing is deemed to be incidental or appur-tenant to land when it is by right used with the land for its bene-tic as in the case of a way, a water-course, or of a passage to ht; as in the case of a way, a water-course, or of a passage for light, air or heat from or across the land of another. Every kind

1301, and that court real is personal.

A proof of a story, a line though the personal of the

#### DECEDENTS' ESTATES

When the inventory of the estate of a decedent discloses that his estate consists of any mine or interest in a nume, the same may be sold as follows. The executor or administrator, or any heir or creditor, or any partner or member of any mining conjuny, may like in the court having production a petition in writing, setting forth the facts of the estate being their in disclosured administration, and particular disclosured in the state of administration and state of the state of administration and state of the mine, including the state of the stat When the inventory of the estate of a decedent discloses that the mining partners, or remains in common, the court may make an order for the sile. After the order is made, all further pro-ceedings for the sile, and for the notice, report and confirmation thereof, must be in accordance with the provisions regarding the safe of real estate belonging to decedents.

#### EMINENT DOMAIN.

EMINENT DOMAIN.

THE RIGHT OF ENINTLY DOMAIN FOR MINING PURPOSES AND RIGHT OF MAY. The right of enument domain may be experised in behalf of the following public uses. Whartyes, doels, pures, chites, booms, for trees, bridges, followed dyseads, edical, and turnules to add streams, refusils, and turnules, to the following public uses where the public transportation, and transport and proposed to the respective public transportation, and proposed to public transportation, and proposed to the respective public transportation and entering and reclaming lands, and for foating logs and lumber on streams not navigable, roads, funnels, ditches, llumes, pipes and dumping places for working inners, also onless, instituted or discretized from names, also an occupancy in common by the owners or nossessors of different names of any place to respect to the domestic public buildings or refuse matter of most and the state of the public buildings or refuse matter of assessors of different names of any place to the several number. A continued in the public buildings or refuse matter to make the several number of the deposit of debries or failings of an injury and exceeding occasioned thereby, or for an outlet for a flow or a place for other use. By a static continued in force an owner of a number of the deposit of way for ingress and express, for all necessary purposes, ever and across the land or mining chains of the continued to a flow or a place of the position of without a road thereto, or a dicto to continued a land or cannot be several places of deposit diffuse, and such road, differ or dam or such flume or funnels buildings, and such road, differ or dam or such flume or funnels believed to the place of deposit diffuse, and such road, differ or dam or such flume or funnels for entired to a diction or and or an order to such place of deposit diffuse and produced the form and or or to such place of deposit diffuse and place of deposit of any mine or claims shall desire to work the same and it is necessary, to enable hun to d

across, under or upon which he seeks to establish such right of way or place of deposit, then it shall be lawful for him to present to the court, or judge if the court he not in session, of the county where such claim is situated a petition, praying that such right of way or place of deposit the awarded to him, the petition to be on oath and to contain a particular description of the nine or claim of petitioner and of the claim or land to be affected by such right or privilege, with the name of the owner or occupant thereof, and to state that such right or privilege has not been acquired by private agreement between the respective parties, and to ask for of three commissioners to assess the damages. It appears that the profit is the privilege of the proof of the properties of the privilege is a summons. After bearing the affections and prosts, if the correct or judge is satisfied of the truth of the petition, he shall make an order agreeably to the petition, and appoint three disinterested a summors. After hearing the allegations and proofs, it the court of judge is satisfied of the truth of the petition, he shall make an order agreeably to the petition, and appoint three dismiteristed persons to assess the damages. The sworth commissioners shall proceed to examine the mine or claim of the petitioner, as well as the claim of hind to be allected; may hear testimony relative to the damages, and report in writing, designating the course or line damages, and report in writing, designating the course or line damages, shall report in writing, designating the course of the claim of the post prayed for, also the value of the lands to be appropriated for such tright of way or place of depost and the admarges which each owner or occupant shall suffer. For cause shown the report may be set aside and a new contains on appointed, which shall proceed as the first. It no motion to set asset have the report, or if it be denied, the same shall be final. Upon payment of the damages, their petitioner shall be clinic. It for making payment, may proceed as the first, if it is not always or place of deposit as designated by the report, and, upon making payment, may necessary for said use. Whenever the owner of long as may be necessary to said use. Whenever the owner of any claim is desirous, and other refuse matter through and along any water-course, and other refuse matter through and along any water-course, and other refuse matter through and along any water-course, and other refuse matter through and along any water-course, and other refuse matter through and along any water-course, and other refuse matter through and along any water-course, and other refuse matter through and along any water-course of the payment of the

such water course, ravine or outlet. All costs and expenses to be paid by the party applying.

Any mine owner, company or corporation having performed the labor and made the improvements required by law to the location and ownership of mining chains or todes. Stall the within the labor and ownership of mining chains or todes. Stall the within the labor of the country and after the time limited to performing such falsor or the country in which the mine is, an affeliavit particularly describing the services and the value, which shall be prima here evidence. Upon the lather of any chainant or mine owner to comply with the conditions required in the performance of labor or minking of improvements, the clean or mine upon which such animor occurred shall be open to be learned in the location had inline occurred shall be open to be learned in the location had their heirs or assume, resume work upon sich claim and continue such with reasonable diffiguence until the required labor has been performed or improvements made, and the required labor has been performed or improvements made, and the required labor has been performed to improve ments made, and the required labor has been performed to improve ments made, and the required labor has been performed or improvements made, and the required labor has been performed to refer the county recovery of the subject to relocation in the newspaper published next the claim, but all exavored a week for minety days, and it, at the expuration of innety days after such notice in writing or published not, the deliminant shall fail to contribute his portion, his interest in the claim shall fail to contribute his portion, his interest in the claim shall fail to contribute his portion, in an interest in the claim shall an person or commant has or may not a timelet or the single datallite. with an allidavit showing service, when finded of feesorded with the recorder, shall be evidence of the a quisition of such title. When a person or company has or may tun a tunnel or cuts in good faith for the purpose of developing a lode or chain sownel by said person or company, the meand lode or chain, provided said for the company of the meand lode or chain, provided said for or chain shall be distinctly marked on the sortice as provided by law. All mining chains and locations shall be subject to a resor-vation of the right of way through or over any mining claims, diffches roads, canals, cuts, tunnels and other classinguists for the purpose of working other mines, provided that the chanage shall be assessed and paid for as the cases of projectly faken under There is an act continued in proce making it unlawful to any

the right of eminent domain. There is an act continued in torce making it unlawful for any corporation or owner of any oparty mine within the state, where as many as twelve men are employed, to sink down into such mine any perpendicular shaft or incline beyond, a depth from the surface of three hundred teet, without providing a second mode of egress from such mine, by shaft or fininel, to connect with the main shaft at a depth of not loss that more hundred teet from the surface and providing also for the recovery of damages in case of accident

of accident. There is a statute continued in torce in reference to corpora-fions organized in this state for the purpose of mining out of this state, and whose business office is in this state, and who ring them to levy assessments upon the capital stock thereof to pay the debts of said corporation, or to carry on the business of said cor-poration, provided the same shall be equal and unterlying and an to one time exceed two per cent, or the capital shock in, and at

#### WATER RIGHTS

The right to the use of running water flowing ma river of stream, or slown a cariou or ravine, may be acquired by appropriation. This must be tor some useful or bencheal purpose, and when the appropriator or his successor in interest cases to use it for such a purpose, the tright exacts. The person entitled to the use may

change the place of diversion. If others are not injured by such change, and may extend the dilled, thune, pape or appendix by which the diversion is made to places beyond the first use. The water appropriated may be turned into the channel of another stream and minipled with its water, and then reclaimed, but in reclaiming it the water already appropriated by another must not stream and mangied with its water, and then reclaiming if the water aiready appropriated by another must not be eliminated. As between appropriators, the one first in time another instance of the commendation of the property of the extent of giving the number meles, measured under a four-meli pressure; second, the purposes for which he claims it, and place of intended use, furth, the means by which he methods to divert it and the size of the time, ditch, pipe or aquedict in which he intends to divert it. A copy of the notice, within ten days after it is posted, must be recorded in the recorded of the county in which it is posted. Within vivy days a property of the county in which it is sposted. Within vivy days vation or construction of the works in which be intends to divert value or construction of the works in which be intends to divert the water, and must present the work diligently and minterruptedly until completion, unless temporarily interrupted by snow or rain. Completion means conducting the water to the place of intended use. By a compliance with the above the claimant right to the use of the water relates back to the time the notice right to the use of the water relates back to the time the notice was posted, but a failure deprives the claimant of the right as against a subsequent elamant who complies. against a subsequent claimant who complies.

Miners and persons and laborers of every class, performing labor upon or hurnishing materials to be used in the construction, alteration, addition to or repair of any binding, whint, bridge, ditch, flume, aqueduct, famile, hence, machinery or other structure, have a hen upon the property for the value of such labor in any mining claim has a hen upon the same, and the works owned and used by the context for column the sorts from sight of many mining claim has a hen upon the same, and the works owned and used by the context for column the oris from sight done and mining claim has a hen upon the same, and the works owned and seed by the context of reducing the oris from sight done or turnished at the instance of the owner of his agent, and done or turnished at the instance of the owner of his agent, and offer or turnished at the instance of the owner, of his agent, and offer in the contact of the owner, between the reputed owner and his contraction, alternation, addition to or repair of any building or other improvement is held to be the agent of the owner. In case of a contract shall extend to the entire contract price, and such contract shall extend to the entire contract price, and such contract of the work, between the reputed owner and his contract of, the hen shall extend to the entire contract price, and such contract price in avor of the contractor. All such contracts shall be in writing when the amount to be paid exceeds show, and the contract price in the contract of the property, the general character of the work to be done, the total amount to be paid only he principle of the contract shall be in writing when the above on the country recorder of the contract of the property, the general character of the work to be done, the total amount to be paid on the amounts of all pertail perions when the above of the country of the price period of the property, the general character of the work to be done, the total amount to be paid on the amounts of all pertails period of the contract. all persons except the contractor shall be deemed to be funished at the personal instance of the owner, and they shall have a her for the value thereof. No part of the contract price shall be paying the value thereof. No part of the contract price shall be paying the whole contract price shall be made payable at least thurtained axis attent the final completion of the confract. No partnern made prior to the time when the same is due shall be void for the purpose of detenting any hen in five of any person except the confractor, but as to such hims such payments shall be deemed whole confractor as to such hims such payments shall be deemed whole confract price shall be payable in money, and shall not be diminished by any prior or subsequent indetectionss in have of the reputed owner and against the contractor. No alteration of such contract price shall be payable in money, and shall not be diminished owner and against the contractor. No alteration of such contracts and alterations do not conform to the above, the lateration and materials turnished by all persons except the contractor whice contracted with the contractor. And any of the persons mentioned, except the contractor, may at any time gave to the reput of owner a written indice that they have pertorned labor or turnished materials to the contractor, or flat they have activated to do so, and the amount in value of what is sitiarily done or turnished, and of the whole across deport. The notice may be designed and of the whole across deport. The notice may be designed by the person of the person in charge, or delivered to his, relatively, or leavest at their residence or place of business with some person in charge, or delivered to his, relatively, or leaves with some person in the money claim or improvement. Upon such notice being given, it shall be the different or the person has been contracted to which the contractor or other with respectively of the confractor of the duty of the person who contracted with the contractor, or other such a particle which is one person in consecutively of the person acting under such a particle of the contractor or other hands of the person to inswer such chain and any be due to the contractor, or other such a particle of the contractor, or other meaning of the person to inswer such

The completion of the alteration, addition to or repair or after the completion or the afteration, addition to of repair thereof, or the performance of any labor in a mining claim, must file for record with the county recorder of the county in which such property or some part is situated a claim containing a state-ment of his domaind, after deducting just credits and offsets, with the name of the owner or repaired owner, a known, and also the name of the person by whom he was employed, or to whom he turnished the materials, with a statement of the terms, time given and conditions of his contract and also a description of the properry to be charged with the hen, sufficient for identification, which claim must be verified by the oath of binself or of some other person. Acceptance of the said improvement, or cessation from abort for thirty days upon any unfinished contract, shall be deemed equivalent to a completion. In every case in which one claim is their against two or most building, unlining claims or one cann is used against two or more unusuals, maining chains or other improvements owned by the same person, the person filing such claim must, at the same time, designate the amount due him on each, otherwise the lien of such claim is postponed to other liens. The lien of such claimant does not extend beyond the other hens. The hen of such claimant does not extend beyond the amount designated, as against other creditors having liers by judgment, mortgage or otherwise, upon either of such buildings or other improvement, or upon the kind upon which the same are stroated. No lien binds for a longer period than ninety days, miless proceedings be commenced within that time to enforce the same, or, if a credit be given, than ninety days after the expira-tion of such credit; but no lien containes in force for a longer time than two years from the time the work is completed, by any convenient to vive credit. Ever improvement constructed man agreement to give credit. Every improvement constructed upon any lands with the knowledge of the owner, or the person claim-ing any interest therein, shall be deemed to have been constructed mg any interest therein, shad be deemed to have been constructed at the instance of such owner or person, and the interest shall be subject to a hen filled as above, unless such owner or person shall, within three days after obtaming knowledge of the construction or intended construction, give notice that he will not be responsible for the same, by posting a notice in some conspictions place upon said land, or improvement situated thereon. The contractor shall be entitled to recover upon the filled by him so much as made due homeometrials furnished and an all calles states for shall be entitled to recover show the contractor shall be entitled by the source of the contractor shall be filled to the sort shows the contractor of the shall be filled to a work done or materials furnished. shall be filed for work done or materials furnished to any conshart be fired for work time of interests turbined of any con-trol the product of the product from the contractor the amount of the ben; and in case of pulsa-ment against the owner or his property upon the hen, he shall be entitled to deduct from any amount due or to become due by him to the contractor the amount of such judgment and costs; and if to the contractor the amount of such judgment and costs; and If the amount stall exceed the amount due by him to the contractor, or if the owner shall have settled with the contractor in rull, he shall be cuttled to recover back from the contractor any amount so paid by him in excess of the contract price. Lieus rank in the following order: 1. All persons performing mannal labor; 2. Persons furnishing materials, 3. Sub-contractors; 4. Original contractors, And the proceeds of the sale must be applied to each lieu or class of heis in the order of its rank; and wherever in the sale of the property there is a deficiency of proceeds, judgment. Any number of persons claiming hers may ion in the same

may be decayed not the deprenery.

In a may join in the sine property of the superior and supreme courts, such costs and attempt's tess in the superior and supreme courts, such costs and attempt's tess to be allowed each ben chammar whose here is essentially of the property of the prop attories's tess to be allowed each Hen claimant whose hen is es-tablished, whether he he plaintiff or defendant or whether they all join in one action or separate actions are consolidated. When-ceer materials are turnished, such materials shall not be subject to attachment, execution or other legal process, to enforce any debt due by the purchaser, except a debt due for the purchase-money, so long as in good tauth the same are about to be applied to the construction, afteration or repair of such building, mining claim or other unprovement. Nothing bettern shall affect the right of any person to whom a debt may be due for work or mate-rials to maintain a personal action to recover such debt against the netson liable threator. Any nexasity when the first of fisher right of any person to whom a debt may be due tor work or materials to maintain a personal action to recover such debt ragainst the person habit therefor. Any person who willfully gives a fails to the control to the will willfully melude in his hen work or materials not done or turnshed for the property described forfets his hen. If the owner and contractor shall conspire to or agree that the written of the control to the control to work that it will also have been such as the control to work that it will be control to work that it will be control to the whole and in such case the labor done and materials furnished by all persons, everythete contractor, shall be deemed to have been done and numbered at the instance of the owner. Any bond which may be given by the contractor to the owner, for the inditual performance of his contrinct, shall be filed with the contract in the recorder's office, or be word, and shall mure formy person who person is all have an action to recover mount of the manner of the person shall have an action to recover mount of the hand of such habor and materials, not to exceed the amount of the bond, at such a factor the lens, except that there shall be but one satisfaction. Nor shall any afteration in the contract, or deviation in the work or in the payments, release the surenestron their hability, except to the owner. In all assignments by any person to trustees or assistances, on a account of the mability of the person, at the time, to pay his debts, or in proceedings in insolvency, the wages of the miners, mechanics, salesmen, servans, clerks or laborers employed by such person, to the amount of faion each, and for services reindered within sixty days previously, are preferred claims, and must be paid before any other creditor of the assignor. In case of death of any employer, the wages of each the assignor.

of the last sickness, expenses of administration and the allowance to the widow and infant children, and must be paid before any other claims. In cases of execution, attachment and similar ance to the widow and infant endulers, and must be paid before any other chains. In cases of execution, attachment and similar with saved against any person, except for chains for infant done, with saved against any person, except for chains and the amount thereof, sworn to by the chainst of the claims and the amount thereof, sworn to by the chainst to the ereditor and the officer excetting such with any time before the actual sale of property levied on; and unless such eatin is disputed by the debtor of a creditor, such officer must pay to such person, out of the proceeds of the sake, the amount pay to such person, out of the proceeds of the sake the amount pay to such person, out of the proceeds of the sake the amount pay to such person, out of the proceeds of the sake the amount pay to such person, out of the proceeds of the sake the amount pay to such person, out of the proceeds of the sake the amount pay to such person, out of the proceeds of the sake the amount pay the person presenting the same must commence an action within ten days for the receivery thereof, and proceeds the same with due diffigence, or be barred from any priority, and the officer shall retain sufficient from the proceeds of the sake to satisfy such claim until the determination of the action. The debtor or creditor intending to dispute shall within action. The debtor or creditor intending to dispute shall within action, the debtor to the claimant fails to recover a stan exceeding a specified stant, it did not recover as two exceeding as pecified stant and save preceding the levy of the writ. If the claimant fails to recover as two exceeding a specified stant. recover costs.

MINING

MINING PARTNERSHIPS.—A mining partnership exists when two or more persons who own or acquire a mining claim for the purpose of working It and extracting the mineral actually engage where now consider our advances principle which which could be considerable to the considerable our advances and could be considerable partners of the considerable out the considerable out to the co simp or other agent or manager mereor can by a contract in writing bind the partnership, except by express authority derived from the members thereof. The decision of the members owning a majority of the shares or interests in a mining partnership binds it in the conduct of its business.

### CONSTITUTIONAL PROVISIONS.

Each stockholder of a corporation or joint-stock association shall be individually and jersonally liable for such proportion of all its debts and habilities contracted or memred during the time lie was a stockholder as the amount of stock or shares owned by him hears to the whole of the subscribed capital stock or shares of the corporation or association. The directors or trustees of corporation and joint-stock associations shall be jointly and severally hable to the creditors and stockholders for all moneys embezgied or insuppropriated by the officers of such corporation or joint-stock association during the term of such director or trustee. trustee

where.

No corporation shall emgage many business other than that expressly authorized in its charter or the law under which it may have been or may hereafter be organized; nor shall it hold for a longer period than five years any real estate, except such as may be necessary for carrying on its businessomes, everyt for money pink, labor done or property actually recorded, everyt for money pink, labor done or property actually recorded, everyt for money pink, labor done or property actually recorded, and all fletthous increase of stock or indebtedness shall be void. The stock and bonded indebtedness of corporations shall not be increased except in pursance of general law, nor without the consent of the persons holding the larger amount in value of the stock at meeting called for that purpose, giving skyl days public notice, as in all elections for directors or managers of corporations, every stockholder shall have the right to vote, in person or by proxy, stockholder shall have the right to vote, in person or by proxy.

man the provided by law.

In the provided by law, the provided by law provided by the provided

committees, books in which shall be recorded the amount of capicommittees, books in which shall be recorded the amount of rapi-lal stock subscribed and by whom; the names of the owners of its stock, and the amounts owned by them respectively; the amount of stock paid in, and by whom, the transfers of sock; the amounts of its assets and liabilities, and the names and places of residence

Corporations may be formed under general laws, but shall not corporations may be formed under generia gass, but shall not be created by special act. All laws now in force in this state con-cerning corporations, and all laws that may be hereafter passed pursuant to this section, may be altered from time to time or re-

peated.
LIPNs.—Mechanics, material-men, artisans and laborers of every class shall have a hermipon the property upon which they have bestowed labor of a beautiful material trunched material, the value of such labor done and material trunsified, and the legislature shall pro-yable by law for the speedy and efficient entorcement of such liens.

## COLORADO

Compiled by MANLY & Moodir, Attorneys at Law, Ernest & Cranmer Block, Denyer, Colo

#### CORPORATIONS

Corporations may be tormed for any lawful purpose. The corporate name must confine new with the word "the" and end with the word "Corporation," "Company" of "Association," etc. Corporations are formed by three or more persons who must make, sign, and acknowledge a certificate of incorporation before an other competent to take acknowledgments, which before an officer competent to take acknowled, ments, which certificate must contain the colpotate name of the company, a statement of the objects for which if was created, the amount of statement with the objects for which if was created, the amount of the object twenty was a second in the margine comportations, the number of shares of stock, the number of directors or trustees, the names of the directors or trustees for the first year of its ex-stence, the name of the town or county in which the principal bus, ness other is to be located, and the name of the county or counties in which the principal business is to be carried on. The and with the recorder of the county or counters in which This certificate must be filed in the other of the secretary of state and with the recorder of the county or countres in which the principal business is to be critical on. If Justiness is to be carried on beyond the finits of the state, the certificate must so state. Unless the certificate expressly authorizes, meetings of the directors may not be held beyond the finists of this state. The tee for aling such certificate with the secretary of state is 80, and 10 cents for every \$1,000 or capital slock, over \$100,000. Shares of stock shall not be best than 81 not more than \$100,000.

a opporations are required to keep a book containing the name

Shoreach.

Corporations are required to keep a book containing the name of all persons, alphabetreally artuinged, who are stockholder on the persons, alphabetreally artuinged, who are stockholder on shares of stock held by their respectively and the 1 me when they respectively became awares of such shares and when they existed to be such stockholders and the amount of stock heldally paid in and what proportion has been raid in east). The stockholders are higher to the debts of the corporation to the extent of the amount that may be imposed against for such unpaid held by them, and may be proceeded against for such unpaid. The prosident and a majority of the debts of the country has been proposed as a superficient of the proposed and a majority of the same with the secretary of star and the recorder of the country when in the business of the company is carried on, to profitions are not allowed to purchase their own stock except such as may be fort sted for purchase nines, maint reference or other property, and tessue stock to the amount of the value theoret in payment in test. It the certificate of rull paid stock has not been ided, every experiences had annually, within sixty days from the list of sharious shall annually, within sixty days from the list of sharious shall annually as the amount of its capital and the proport in the first of them on their order actually part in maintain amount of its value debts. make a report, status the amount of its capital and the propor-tion thereod actually point in, and the amount of vs.stim, debts, which report shall be verified and filed with the recorder of deeds of the country where the business, of the conjugary is car-ried on, and outers said report is filed, all directors and trips tess are jointly and severally hadde for all debts of the company that shall be contracted during the year next procedure the time when such report should have been made and ided and until

that sharper concess, when she have been more and according to when such report shall be made.

If the directors, trusted or other against of any corporation is the directors, trusted with a state of polarion is modernt, or any dividend which diminishes the amount of its modernt, or any dividend which diminishes the amount of the appeal stock, all directors are pointly and severally habe for the debts of such corporation then existing or their after contracted while the capital remains so diminished. Any corporation allowing any execution to remain unsafished to tread a variety of the matter to the debts of the solution.

WINTER, CORPORATIONS The certificate of morporation of the contraction of the contract

MINING Courses WHOSE. The certificate of incorporation or mining companies, in addition to other matters required to be stated therein as above set jorth, must contain a statement that the stock of said company is either assessable or non-assessable, and each certificate of stock issued by such company shall have plantly printed on the free thereof the word "assessable," as the case may be. Mining companies may be or "non-assessable," as the case may be, Mining companies may be organized with assessable stock by so stating in the certificate of meorpotation, but no one assessment shall exceed they per-cent of the nor either of soft shall exceed they peror incorporation, our no one assessment shall ever five the par value of said stock, and no assessment shall be levied oftener than once at three months. Assessments can be voted only by a majority of the stock in a special meeting called for that purpose, after a thirty day? publication of notice of

sail meeting and a personal or mailed notice to each tockholder, and no assessment shall be due and payable in less than thirty and to assessment shall be due and payable in less than thirty and to interest the same shall be due, the secretary of the company may advertues such shares for she at public anotion, after giving ten days' daily or two weeks' notice, which notice shall be personally served upon the delinquent stockholder, and shall self the same to pay the costs of said safe and the amount of the assessment remaining overthe and unpaid.

Mining companies shall be managed by not less than three nor more than nine directors, who shall respectively be stockholders in said company, and who shall even for the first year, be an issuit dompand by the stockholder in said company, and who shall even for the first year, be an issuit dompand by the consolidation of the company of the principal office of the company. Any mining, tunnelling or reducing companies may be consolidated under one organization by calling stockholders' meetings of each corporation to approve the joint certificate of neopporation.

Four ico Young Markey and the particular of the proposation shall, before they are authorized or permitted to do any bismess in this state,

Forces of superove the joint certificate of neopporation from the year and interrept they are antiformed to permitted to do any business in this state, make a certificate senied by the president and secretary, and only acknowledge and file the same with the secretary of state and recorder of the county where the business is carried on, designating the principal place where the business of this corporation shall be carried on in this state, and designating an authorized agent residing at such principal place of business upon whem process may be served.

Not breign corporation shall be correct.

whom process may be served.

No foreign corporation shall be permitted to mortgage, pledge or otherwise encomber its real or personal property situated in this state to the namy or exclusion of any resident or corporations of this state who are creditors of said totogar corporations.

No foreign corporation shall be permitted to mottgage, pledge of otherwise enemined its real of personal property situated in this state is the the principle of exclusion of any readent or corporations of this state when the composition of the state when the enemined provided in the state when the enemined provided in the state when the enemined in the state when the enemined in the other composition is under state at the time of recording state and the time of recording such nor faze have been paid and extingual deal.

Foreign corporation in this state at the time of recording such nor faze have been paid and extingual deal.

Foreign corporations shall be in the other of the secretary of state a copy of their charter of me dipertation, or, it incorporated under a sciental law, a copy of the propertical and earlier of the state a copy of their charter of the state at one state a copy of their charter of the enemine and a trainge to comply with any of the above requirements shall render every officer of stock holder of said corporation foundly, and a trainge to comply with any of the above requirements shall render every officer of stock holder of said corporation from this state.

For its angle of the state of the enemined which the state thing the time this corporation is so in default.

For its Any person, association of persons, body politic or or postate, who shall be entitled to hold red exists, shall be an interest of this continuous state of the sample absolute, not being possessed of the legal estate, who shall be entitled to hold red exists, shall be an interest of the cases of this. A vender purporting to deed a be simple absolute, not being possessed, shall hold the same in trist to the granter, Lands and in possession may be convexed. In ease where by common law any person may be convexed, in ease of this, A vender purporting to deed a be simple absolute, not being highly and the continuous shall have ended by common law any person may be convexed. The research of the convention of the continuous sh

VITORNEYS' LIENS Attorneys at law have a hen upon any ATTORNY'S LIPSS MORPHWS at 3a have a first upon any money or property at their finds, and upon profaments obtained for any fees for professional services in any court in this state. This lien may be enforced by each action.

Try LIPSS. All taxes levied or assessed upon real and per

mal property are a perpetual hen upon such property until fully

BUTTOURS AND MATERIAL-MEN, whether skilled or un-skilled, have a hentor all work done or materials turnished under Salies, and the entire of the content of the conten

and them, skymonallis.

GA Seral JY, Bailroads, framways, wagou-roads, followads, water-shtelpes, flumes, aqueducts, reservors, brigges and miner, admission each subject to like hear for all work and matterial used in their building, repair or workings. Surveyors, civil and mining engineers are entitled to like hears for their

services in and about property. Ranchmen, farmers, herders of eattle, boarding-house keepers, taxern-keepers, liverymen, com-order earliers and warehousemen each have a flem upon the pro-orty or stock in their possession for all claims of rent, hire, board, keeping, care or work concerning said property. Also mechanic to the property grade and class have the right of flen for making or resolving transcrit.

of every grane and class may a lien upon all the property of repairing projectly. The state has a lien upon all the property of persons consisted of crime for the fine and custs of prosecution. EXECTIONS are a lien upon the personal property of the judg-nent debtor from the time such execution is delivered to the sherift

SHETHER.

ALTHORIEST LIFENS are for Six years upon the real estate of every person against whom judgment may be rendered in a court of record, from the time a transcript of the judgment is lifed with the county recorder.

### EMINENT DOMAIN.

EMINENT DOMAIN.

Trivate property shall not be taken or damaged for public or private use, except upon payment of just compensation. Land may be condemned when necessary production of rands bridges, ferries, tunned necessary secretary, railroads, etc. The massing of the condemned when necessary secretary, railroads, etc. The massing of the condemned of the district of county court, setting forth the facts and a shadow of the condemned of the co

#### WATER-RIGHTS.

WATER-RIGHTS.

It is provided in Article to of the state constitution that the water of every natural stream not appropriated before March 14, 1856, is the property of the public and dedicated to the use of the people, subject to appropriation as provided by law. The right to divert unappropriated waters of any natural stream to being find use shall not be denied. Priority of appropriation shall give the better right as between those using his water to be a same purposes. In case of an insufficient was large his preference of an insufficient and agricultural oscinamizations. So the conveying of water for domestic enaminations, for the conveying of water for domestic purposes, and for dramage, is had upon payment of just compensation. [See Emment Domain.]

The priority of rights to water is adjudicated by the district court, and based upon the date of actual application to beneficial use. Where any dich is not entitled to its tull stupic, the water sumers of water thereing her districts of the province of the conveying of the province of the province of the conveying of water for domestic or an armony of the conveying and the conveying the c

Owners of reservoirs have the same right of condemnation and propriated water not needed for manuclate use; and may conduct water therefore any measurement therefore any needed for manuclate use; and may conduct water therefore may not along any natural streams and take the same on the carriage of water to be sold, the board of county commissioners is empowered to fix the maximum rate at which water is divided into minerous "water district," each under the sunctions of a water commissioner amounted by the

The state is divided into numerors "water districts," each under the supervision of a water commissioner appointed by the governor. These commissioner stights the water among the several diffelies according to the proporties of each perspectively. All others used for the water are true from faxation.

It is the day of the state engineer to make careful measurements of the maximum and numbum flow of water in each stream from which water is drawn for irrigation, and collect facts and make reports as to a system of storage reservors, all of which is published in his annual report.

#### MINING

et itations are as follows — A. C., Acts of Congress, G. S., Gen-eral Statifies of Colorado, 1883, M. A. S., Mills' Annotated Statifes of Colorado, R. S., Revised Statifes United States, S. L., Session

of colorado, 6.8., favised statilles United States, 8.4., Session Autwood cond.

A) (BAS) Constitution of Colorado (Sec. 27 of Art, II) provides that affens who are found ide residents may nequire, hold and dispose of property the same as native-born entries.

ANA W. Lyrion. Animal islor, commonly entirely entering the state of the property of the colorado of the colorado condition of the colorado colorado (Sec. 2004). A colorado c

ance of such fation of making sach impediate for the such affidavit does not of itself leave a claim open to re-location.

APEX AND THE THE location of location certificate of any bode claim shall be construed to melade all the surface ground

within the surface-lines thereof and all bodes and ledges through-out their entire depth, the top or apex of which lies inside of such lines extended downward. The property of the surface of the lines in the surface of the line of the lines of the claim, and the challenges of the claim, of the period the slid-lines of the claim, but shall not include any portion of such lades or bedges beyond the end-lines of the claim or the end-lines continued, whether by dip or otherwise, or beyond the side-lines in any other manner than by the dip of the lode. (G. S., Sec. 2465.)

If the top or apex of a lode in its longitudinal course extends beyond the exterior the lode of the longitudinal course extends invention its longitudinal course beyond the point where it is lot resected by the exterior lines. (G. S., Sec. 2406.)

Assay (Si. There are no official assayers, but professors in the school of mines at Golden may make and certify assays. (G. S., Sec. 2413.) M. A. S., Sec. 4085.)

Bt LLION.—Sec. Ore Bayers."

COM, MINES. A begand of exammers appoints inspectors whose

BULLION—See "OTE Bayers."

COM MINES. A board of examiners appoints inspectors whose duty It is to inspect all coal mines employing more than ten men, and see that the provisions of the statute relating to ventilation, escape-shafts, bothers, signals, hoosting machinery and inspection by skilled bosses are enforced. Severe penaltics, both cruminal and civil, are provided for non-compliance with these laws.

CRIMES.—There are penal have concerning the Keeping or using of frauditient goldshirst sealer mill enforced by a state of passing of declarity of the provident molecyalmation takes or monuments; maticious infschief, dispossession or "jumping" claims by stealth or violence where two or more persons associate together for that purpose.

DIE—See "AdeX."

Day.-See "Apex."

DIP.—See "Apex."

DISCOVERY SITE—Must be on the claim and on public domain at least for neet deept, show erevace, and be sunk within state that the least to be proposed to the least to be provided by the sunk within state and the sunk of the least to be provided to provide for their proportionate share of drainage thereof, and, failing so to do, the cost of such drainage may be recovered if performed by neighboring mine, and party sung is entitled to inspection of mine softwined fails and party sing is entitled to inspection of mine softwined losses control and use of same as soones if the single manufacture of the sun and party single sonly to developed induse. Fairly holeking water losses control and use of same as soones if the skin and interest in difficult of the sun and is such as the sun and the sun and is such as the sun and the sun and is such as the sun and sun and the sun and grain with of resting the sun and the sun and grain with the resting to the sun and the sun and grain with the resting to the sun and grain with the sun and grain w

IMPOURT IN THE ACT OF THE ACT OF

JUMPING CLAIMS. See " Crimes

draming CLAVISE, See "times," LANGOFFICES. United States land-offices are established at Denver, Leadville, Pueblo, Gleinwood Springs, Durango, Gunni-son, Del Norte, Montrose, Lamar, Hugo, Akron. Sterling and Central City. LEVSE, For more than a year must be in writing and should

son. Del Norte, Montrose, Lamar. 11992, Axion. evants one central (12).

LESSE: For more than a year must be in writing and should be recorded. (M. A. S., See, 2021; G. S., See, L57.)

Merysons who do work or furnish materials for the working, preservation or development of any mine, lode, mining claim or deposit, or upon any shaft, tunnel, incline, add or other exervation designed for the purpose of draining or working the same shall have a hen upon the same for the amount and value of the work so done or materials so turnished, to the extent of the interest or claim of such owner thereto at the time of the commencement to do such work or furnish such materials. This her altenders to the subsequently acquired, and the earlier of deposits are worked through a comment, G. S. See, 2137. M. A. S., See, 237. W. A. S.,

such as in mechanics lines.

LIMITATIONS. Every person in the peaceable and undisputed possession of a mining claim, under claim and color of title, made in sood faith, who she has the consecutive years continue in such possession and such large, during said time, pay all taxes legalled to be the legal owner of said claim, shall be entitled and admining claim, should be entitled and admining to the purport of his or her proper title. Persons holding under such possession by purchase, devise or descent before said five years shall have expired, and who shall continue such possession by purchase, devise or descent before additionally and the said five years shall have expired, and who shall continue such possession and continue to pay the taxes adoresaid for the term diversaid, shall be entitled to the benefits of above, (G. 8. Sec. 233, M. A. 8. Sec. 232, The above applies only to possessory rights of lands owned by the United States. Actions for (respirs) and of replevin are barred in six years. (G. 8. Sec. 233, M. A. 8. Sec. 236, 230, M. A. 8. Sec. 236, M. A. 8. Sec. 236,

Sec. 2006.)

LOCATION. A docation of a mining claim shall be made until he discovery of the vein or both within the limits of the claim located. The discovery record his claim in the office of the claim located. The discovery record his claim in the office of the record record in the control of the country of the located of the locate

Defore films such location certificate the discovery, shall locate his claim by. First, smalling a discovery-shalf upon the look to a depth of at least ten teet from the lowest part or run or such shalf at the sufface, or deeper if necessary to show a well-defined credice; second, by posting at the point of discovery at the sur-face a plain sign or notice; containing the name of the look, the name of the locator and the date of discovery. (G. 8., Sec. 2401; M. A. 8., Sec. 3452.)

M. A. S., 89, 302, 302.)

Shels surface boundaries shall be marked by six substantial posts hewn or marked on the sale or sales which are an toward the claim, and sunk in the ground, to wit. One at each content and one at the center of each sale-dim, · G. 8, 8ec, 202, M. A.

, See, 3153.) Any open cut, cross cut or tunnel which shall cut a lode at the

S<sub>c</sub>, 8cc, 3.33.

Any open cut, cross cut or tunnel which shall cut a lode at the depth of ten feet below the surface shall hold such lode the same as if a discovery-shaft were stank thereon, or an adit of at least ten teet in along the lode shall be equivalent to a discovery-shaft. The discovery-shaft have says days from the time of uncovering or disclosing a lode to sink a discovery-shaft thereon. The discovery-shaft must be sunk upon unoccupied public latel, that is to say, it must be outside of the lines of any patient or other half location, and there must be a separate discovery for each claim. Where one lode crosses, runs into or unites with any other lodes priority of the shall declaim the trains to all ore or nameral contained within the shall declaim the trains to all ore or nameral contained within the space of intersection. If at any time the location of any mining claim herefolium of the claim location, and here location of the control of the location of changing the surface boundaries of taking in any part of an overlapping claim which has been abundanced, he may be an additional certificate, provided such re-location does not interprete with existing rights of others at the time of such re-located by sunking a new years of the sunking rights of others at the time of such re-located by sunking a new

ing rights of others at the time of such redocation. (a. 8. Sec. 2009) M. V.S. Sec. 300.

An abundoned looke claim may be redocated by susking a new discovery-shart or susking the original shaft the fleet deeper, and the creetion of new boundaries and new location stakes, and the criticates shall shart that the same has been located as abundoned properly.

In the same shall shart that the same has been located as abundoned properly.

In the date of discovery, record his claim is that that that yakes the discovery record his claim is the other of the certified of the county in which such claim is situated, by a becation certificate which shall contain, itself, the name of the claim, description of the claim is submitted, by a becation certificate which shall contain his valid perfect of the claim of the claim, discovery may be a submitted of the claim of the claim is sufficient to the claim of the claim of the claim is sufficient to be certificate the discovery is shall because this claim, it is the posting upon his claim a plaim station in the date of discovery and the name of the claim of the claim, the date of discovery which the record in six contains the date of because of the claim of the claim, the discovery by marking the surface be under sex with substantial posts such as the claim of the

one hundred and nity test and in all other countries three hundred rect, which width is to be even it distributed or each side of the center of the vern or etextice. Under the decisions and his state it seems that the bode should be update, and it is severy sharf but the decisions and this state it the distributed of the bode was the state of the post which the bode was the state of the post which the distributed of the first post of the post which the distributed of the post of th

though no such with had been isseed. but no such with 3 ell issue everycting in two days witten notice to the adverse party, and after a hearing.

The requirement of a location of a beating notice is absolute button moles and places. See "boarden" (in Wifts. The owners of elvells are required to keep their product from emptying into any natural water course.

Other Class. A discovery by means of an open, all seep adjusted in Caschatt. See "boardens of compositions engaged in in fling, sampling, concentrating, believing shipping of parchasism one in party on whose behalf such of its delivered, the mane of the party on whose behalf such of its delivered, the mane of the families and owner of the team of pack fram deliverym such one, the weight and amount of each such lot of or, the name and location of the name or death too which it shall be state of that the same has been mined or product, and the date of delivity of any and all parcels of one, which book may be examined by any porty in motors, after a diday or made thin. The brivers of odd dust, anadigam, button, godd specimens sixter may be recommed by any porty in motors, after a diday or made bling. The brivers of rold dust, anadigam, button, godd specimens sixter may exceed substitution are required to keep a similar record. Any person chaming to be the owner or entitled to the possessor of any mining claim possession of other patties mining who are shipping ore there-

from may render the purchasers of such ore liable for the value rosin may remer one parenasers or such ore name for the value thereof by serving upon said purchasers a notice to that effect, prouded that within tive days after serving such notice be con-mence an action to enjoin the party unlawfully in possession from the best party of wide proso disposing of said ore.
PARTNERSHIP: Mining partnerships exist where several own

so disposing of said ore.

PARTNESHIT: Mining partnerships exist where several owners cooperate in the working of a mine. A member of such a partnership may assign his interest without consent of the other partners, nor is the partnership dissolved by the death of a partner. The power of a member of a mining partnership to bind the firm is limited strictly to the scope of the business, to what is necessary and usual in like concerns. A mining partnership appropriate partnership may be formed for mining purposes. A general partnership may be founded for mining purposes. A spinner with the partnership may be founded for mining purposes and association may be founded for mining purposes. As placer location must have a name. As to requirements of certificate see "Location."

Rise outb. A location certificate must be recorded. See "Location."

An indefinite record as Yode. There must be a separate certificate for each claim. (G. S., Sees. 200, 2412; M. V. S., Sees. 315), 3433., 3433.

3151, 5163.) Reforation

See "Location."

3.6d, 3.6d.)

RF10 (Troy). See "Location."

RF10 (Troy) and "Wey. Examiner shall have the right of way across summed all claims for the purpose of banding quarty from his edam. All mining claims are subsect to right of way of any didth of thine for mining purposes, or of any trainway or pack trail, provided such right of way shall not be excreased against any prior existing valid location, without consent of the owner, except by condemnation as in case of land taken for public highways. [See "Emment Domain."]

SLIT (C. 1). When the right to mine is separate from ownership of right of occupancy to the surface, the owner or rightful occupant or the surface and we made and considerable with the minet, and a remised may enterin such miner from working until state security. See S. C. S. W. Wey. 3.6d. In the amount of bond.

TAXALLONO, MINES. Under the constitution makes were not the subsect of taxaling for ten years from March 4, 1856, intooly.

TaxAtiox of MIXIs. Under the constitution mans were not the subset of taxinon for ten years from March 4.185, but only the net proceeds and surface improvements thereof. But in 1887 an act was passed providing that all mines and mining property should be assessed and favod, and sold for definiquent favos, as other property. All mines, claims and possessory rights, which produce during the veri mineral exceeding in value strong should be assessed upon a valuation not exceeding on without strong proceeds for the war, to be ascertimed by the assessor. If the strong proceeds for the war, to be ascertimed by the assessor. If the shall be prorated among them, Productive impatented claims are assessed, and the right of possession sold to delinquent favor. It is the daily of the assessors to give on their offs the immeral survey minibers or claims parented of entered to patent. It has become existential to many countries to assess improductive patherone to the strong of the country of the content of the

survey numbers or claims parented or entered for patent. It has become ensteadant's in many counties to assess improductive patented claims, as of the value of \$500.

IT NNTA. At critical act in 1881 gave the right to be and record bunnel sides with right to two hindred and fifty test each treated bunnel sides with right to two hindred and fifty test each base a right of wax fittough all boles which may be in its course. This act countlets with the courtessonal acts, and will be sometiment of the first way relaxes the time of the patent of the patents. See "Right of way for trom lability to a beclinical freepass," see "Right of

## CONNECTICUT

rompiled by Franciscouries Press, Attorney at Law, Bristol. Conn.

## CORPORATIONS,

Any three persons, by written agreement, stating the name, purpose, location, capital stock and the names and shares of each shockholder, may form a neith stock corporation for any lawned shockholder, may form a neith stock corporation for any lawned may be used in the stock of the corporation for any lawned may be used in his lawned by the lawness shall not be trist, insurance, buying and selling real estate, bunking of tading in bonds, noises or other exhibitions, and indebtodness, or traditeding an betters patient or patient (1218). The name must be in with "The" and end with "o unjoint" or expoparation. The shares must be of the pur value of slip, say as as selling to the state of the purposition of the properties of the properties of the properties of the properties of the state of the publication, the names and residences of the subscribers, the stock taken by each the amount country paid in it cash, and the amount in property, with schedules thereor, must be made, scheduling swom to by a majority of the directors and recorded in the others of the subscribed and at least twenty per cent, paid in measis.

Amount reports showing stock paid in measis.

Amount populs and in the other of the court of the direct and any made of shares of each stackholder, must be high with the town clerk and secretary of state.

SS 1944 1488.

No application to the general assembly for a charter for a corporation to periodic its principal bosiness outside the state shall state the state of the periodic state state and before beginning bosiness they shall pay she tattle stor, and before beginning bosiness they shall pay she tattle stor, and before beginning bosiness they shall pay she bords of equalization shall determine. This is in large of all translates fax but not of tay on propertivet on the shares of stockholders within this state. They, 84, 5488, 35 1912 1906.

#### LIENS.

Any person furnishing materials or rendering services in the any person unusum; materians or removing services. Iff the construction or repair of any building to a value exceeding \$55 may, by lodging with the town clerk a sworn certificate, in form prescribed by the stante, within sixty days from crasing to so render services or minish material, obtain a heri on the building and the fand on which it stands, which will take precedence of any incumbrance arising after the commencement of such services or modeline. es or turnishing of material. Sub-confractors can take advantage of this statute only by notify-

ing the owner in writing of their intention to claim a heir within saxty days from the commencement of their claim. This notice, with return of service, must be recorded in the lown clerk's office. (Elev. 81, 1888, §§ 3018–3021.) Sub-contractors' hens are subject to all rights of the owner for payments made in good faith, before

of notice.

record of notice.

Chattel mottagaes are invalid without actual delivery of possession to and retention by the mortgages but mortgages of "any manufacturing or meediamical establishment locather with the machinery, engines or implements situated or used therein," or of such personal property, without the real estate, or of several other classes or chattels expressly eminicated, may be valid without delivery of possession it executed and recorded like deeds of real estate. Hey, St. 1888, 330th.

Contracts of conditional statements of the relation to the right of using or sching the goods, the attitude of the courts being one of great liberally to conditional sails and or great stretue is toward chattel mortgage. (49 Conn., 141, 31 Conn., 59).

#### MINING.

There is almost an entire absence or either hegislation or indical dectsors in regard to mining and quarrying in Connecticit. Noner ideal alies, who except efficients of Franco are mergialed of holding real estate for other purposes, may acquire and hold real estate for the purposes of quarrying, mining, directing or so time grows of converting the products of such garrines and mine, into articles of trade or commerce, but shall represent their table in such land ceases for few consecutive. We trade to the confidence of the consecutive of the confidence of the total to destinate of the confidence of the confidence of the total total confidence of the confidence of the total total confidence of the confide

or are superior contraint appointment of an appraising committee, to flow the land of others by a dam on his own land or to dig disches to conduct water to his mill, or discharge dishes from the same over the land of others or to deepen existing disches, Rights of existing mills are fully protected from minuty by such inspectation.

proceedings.

The damage to be paid is that found by the appraising commutee, plus illy per cent. (Rev. 8t, 1888, §§ 1216-1247.)

## DELAWARE

#### CORPORATIONS.

How Former, Compositions are elasticised by the legislature of the state by the pressure of a law engating such cooperation. An observation can be charactered except by the concurrence of two-thirds of each branch of the begislature. DiffENTON Compositions chartered by the legislature cannot continue for a longer period than twenty years unless a renewal act be pressed by the organization.

Benow Mion I was the constitution of the state the legislature. Review Mion I was been constitution of the state the legislature. Toward to the present of the power given to all conjugations, used as an grand being such having a common such election officers, making bydraw, determining the time and place of their me times, and such of the processing to the carrying out of the objects of the corporation.

SALO OI, The training of a corporation may be taken and

car ying out of the outpers of the corporation.

SALE OF. The translates of a corporation may be taken and soid on execution for a money and ment tendered against the corporation, the sance as the property of the corporation may be levied on and soid.

Whower imposhes inclients to an amount in excess of 82 in an value on am shows building structure or vessel, under a contract with the owner or hos contractors, has a horn which attaches to the property to which it was furnished, and also to the land on which it stands and sutherent of the land surrounding for the casonable use of the banding. This here takes precedence over a meaning-mees after him after the material commenced to be ratified. The contractor must the his statement dider outly of many and of the contractor must the his statement which here is the internal contractor of the contractor must be a statement which the here is the first of the contractor must be his statement which the limit of the rine when the work was commenced and finished, stated the rine when the work was commenced and finished, safety of the superior control the county where the binding is standard, in case of a viewed, of that an which the materials were unustance the binding is complete control to the limit injury days after the superior control of the production of the binding is completely at the limit injury days after the vessel is considered and ready for sea. There is no priority among her-holders, it property is not sufficient to asy all, they what per orian. The heur is independent of the lens hold nearest held by the channel. leas, hold intenst held by the tenant

## FLORIDA

Compiled by Horatto Davis, Attorney at Law, Gainesville, Fla.

### CORPORATIONS

The constitution of the state provides;

1. That the state cannot pledge or loan its credit to, or become a joint owner or stockholder in, any company, corporation or association, and that counties, ciries, townships and meorporated districts shall not become stockholders in, obtain or appropriate money for, or loan their credit to, any corporation, association or institution.

2. That neither private property nor the right of way shall be

2. That neither private property nor the right of way shall be appropriated to the use of any corporation until full compensation therefor shall be first made to the owner, or first secured to limb by deposit of money, which compensation, irrespective of any heacht from any improvement proposed by such corporation, shall be ascertained by a jury.
3. That the property of corporations, everyt that of the corporation which shall construct a ship or barge canal across the permenta of Fibrida, shall be whether the property of corporations are canal across the permenta of Fibrida, shall be whether the property of the permental across the permental of the property of the permental across the permental of the

#### GENERAL CORPORATION LAW

Names of Incorporators. Any three or more persons may associate themselves and become incorporated for the transaction of any lawing business.

NAMERICOF INCOMPORATORS. Any flaree or more persons action of any lawnil business.

REQUESTISS OF Inconsists CLARTER. It am a be subscribed by those or more persons, and acknowledged by the feat three of by those or more persons, and acknowledged by the feat three of by those or more persons, and acknowledged by the feat three of by those or more persons, and acknowledged by the feat three of by the control of colors. It must set torth name of corporation and place of but iness, the general nature of the business, to be transacted, the amount of capital stock authorized, and the number and par value of the shares into which it is divided, and the term, and conditions upon which it is to be pend in, the term tor which it is to exist, by what officers the but hie estimates of the officers who are to condict the business, the term and condition in a business of the officers who are to condict the business of the officers who are to condict the business. It monomer an architecture, so I hability to which the corporation can subject it sell, and the names and residences of the subscribers. Notice of INFESTIONS TO APPLA FOR LETTISS PAIRSN.

The proposed charter, with notice of intention to apply to the governor for letters patient thereon, shall be published once a work for burn successive works in some new spaper published in the county where the place of business its to be located, which notice shall be areaed by at least three of the subscribers. For some testing the state of the proposed charter, with notice of intention to apply to the country of the country of the proposed charter, which notices shall be proposed charter, which notices that the secretary of states and successors, into a body corporation to be a subscribers, from associates and successors, into a body corporation before such delivers to the country and the correspondence of the charter, relationated by kiw, and the force of the charter, shall not to the country wherein the letters patient a cortinol country wherein the place of business is to be

be recorded in the obles of the earth of the electron control wherein the place of business is to be located, and the country diversity that the personal points of the country of the cou

QUORUM, A majority of the stock shall constitute a quorum, At stockholders' meetings, each stockholder shall be entitled to one vote on each share of stock held by him, but no stockholder whose liability for unpaid assessments is past due shall be allowed to vote.

Corporations may increase or reduce their capital stock and amend their charter by complying with the directions set out in the general corporation laws.

Dissolution. The eigenit court, on petition of a majority in interest of the stockholders, may decree a dissolution of a corporation.

#### DIENS

Liens prior in dignity to all others may exist in favor of the

Liens prior in algunty to all others may exist in more of the following persons.

FOR LABOR ON BETTIENS AND STREETHERS. In have of any mechanic, laborer or other person who shall perform by fluinself or others any labor upon or in the construction or report of any hurdrane, above works of structure, or a datations to, or one had been structured and the laborated by a datations to, or one of the structure and the land upon which it stands.

FOR LABOR ON KARIROANS, ITHORAMSE, ITE IN layor of any person performing by himself or close any labor upon any radiroad, canal, the carpino to believe to the construction, regain or operation thereof are upon and has when, which, inflight of operation thereof are upon and has when, and, or the components connected Therewith or Thereon, and on the land upon which they stand.

or other manufactors, any and all tranchises, inaccinety and opping matter connected thereavily or thereon, and on the land upon which they stand.

For Lavor cs Units, 1 (). In layor of any person performing by blinselt or others any layor upon or in any turn, or the first control of the property of the person may be a person or the any turn, in a person of the layor of the person of the layor of the person when the person when the person who are the person when the layor of the layor of the person when the layor of the layor of the layor of the person of the layor of the lay

intrushed, the hen shall be only up in the landed interest of such person.

The statute prescribes how the hens shall be around a larst, as against the owner or person, between the source of acaimst purchased, or creditors with notice. Second, as a against purchased, not creditors with notice. Second as a against purchased, and creditors of such owner without note. Between No. 3 (1) To UNIO (3) (1) ININ, Where it is less temporary henry to be recorded, such most be brought with not where not is the recorded, such most be brought with rewelve in only to purch the performance of the work or it. Intrushing of the materials.

## MINING

An net of the heightfulling apply wool driver, then, provide the a board of plusplade commencements for earlier and familiar, the phosphate universes of the state of the sledy of het may gold waters, and authorizes and board to entire into confract with persons destring to mine placeplatte in such skales.

This is the only statitise of the state connection, a may said min.

## GEORGIA

### CORPORATIONS

By Whom Chi Arro. The previous compositions was an the general assembly and the courts.

Torkico's Cofficial Arro. The courts are operations are recognized in our courts only by courty. They are a lowed to own lands in the state, but when the amount conducts as much as without many acres they shall be more pointed under the laws of Gorran, and on their timber to do so the state of courty and on their timber to do so the state of courty and on their timber to do so the state of courty and on their private composition for any purpose whatever, every bonding of instance, may be created in this state by complying with the following provisions. It resums to string the charter shall the in the one-court of the county in which they desire to transact business perfum spreadying the objects, the business, their corporation are fundly paid in, the place of doing business and the time, not exceeding twenty courts for which they desire to be incorporated Saal petition is published once such week for one month before

the court shall pass upon said application. 2. If the application is legitimately within the purview of the code, upon hearing the judge shall pass an order declaring said application granted. A certified easy of this pertion and order, under the seal of the state. 3. The incorporators must commence to exercise the power granted by the net of incorporation and pay in ten per cent of the capital stock within two years, to give said charter any torce and effect, and in case of failure to do so the stockholders shall be bound in their private capacity to any creator of said incorporation for amount of stock subscribed per by them. 4. Corporations from for amount of stock subscribed per by them. 4. Corporations from for amount of stock subscribed per by them, 4. Corporations from for amount of special subscribed per by them, 4. Corporations from the subscribed per particles of the organization, but shall make no contract or purpose of their organization, but shall make no contract or purpose of the community of any kind, except such as a necessary for legitimately carrying into effect such purpose, or too securing debats to the company. The have continuous such extraction as the subscribed in the charter of purpose of the subscribed in the contraction as to associationance, such charters affile expuest the condition of their own numbers, or meanisted with the laws of this state and with the brays of the Vinited States, receive domathus, to purchase and to hold such property as is necessary to the purpose of the technization.

Analysis of the supernot courts, in their of secretion, may hold be such purposed.

to corporations

SELLAGAINSI CORPORATIONS, MININGORJOINT-STOCK COM-SELI WALEST CHIPGRATION, MINING ORDANIS SOCK COM-PANTIS A THY expendation, mining of poil stock company may be sued on contracts in that county in which the contract sought to be entered was find by and was to be performed, if it has an office and Ir, its acts business there. Surf for damages may be brought in the county where the consecond acts in occausitied. So, a new may be find by beaung a copy of the with with the right of the defend in , or of the place of bostness.

The robot may bens are establed of in this state. Then said above of DLSS, counties and manifold operation for these counties to the set to do the set to the set to the set to do the s

of transfer states of a violatins of allowers shall have a point for a upon the property of their ampiones. Laber to be a most in the property of their ampiones. Laber to beyond shall be upon the property of the property o

IN CORP MAN OF LILES ON PERSONALLY. Their mints be a demand on owner, agent of lesses, a terisal to pay or, such demand, and refusal must be averted. It must be pusses used within one year after the debt becomes due, superior led by and daylt better a milgo of the superior court, or the ordinary of the county in which the per sonal property may be, showing all the

tacts necessary to constitute a hen under the code. If the detendant contests the amount of the claim, he shall file his alfidavit of the fact, setting forth such denial, which affidavit shall form an issue to be returned to the court and tried as other causes.

#### MIXING.

RIGHES OF WAY FOR PERSONS FNGAGED IN MINING.—Any person or corporation engaged in mining, needing for the successful prosecution of such business at glaff of way for a railroad, furnitional properties of the pr

shall have the right of appeal to said superior court.

EAVALOUSE NOT DENTAL TO MINISTS. The owner of any highest the right of appeal to said superior court.

EAVALOUSE NOT DENTAL TO MINISTS. The owner of any between the name and the water power many identifications dependent, and to ent thereon such datch, canal or tunnel, or construct such time or other appealant, and build such dam, as may be necessary to control said power, provided, he shall first have he damages assessed, and shall pay to the owner of the land so intervening the damages which may be assessed in the matter than the damages which may be assessed in the natter construction of the land at the state of the land at the control of the land at the state of the land at the control of the land at the land of the land at land to replace of the land at land to the land, and the land of the land at land the land of the land at land land land of the freeholder, shall be fast, land to right of entry shall accent until the damages assessed are first paid. The loss of the ordinary and do the freeholders for said services shall be §2 each, which shall be paid by the applicant. paid by the applicant.

product the apparent.

Draining privileges are obtained under and according to the provisions and requirements specified above, all of which are thereby extended to the owners of mines desiring to drain their names and to carry off the water and failings through or over the lands of others.

## DAHO

### CORPORATIONS.

How Former. To create a corporation a paper is drawn up and search, called articles of incorporation. This paper mist contain the mane of the corporation. This paper mist contain the mane of the coast into exceeding intry cars, the number of directors and the names and residences of those appointed for the first year, the amount of its capital stock and number of shares in which it is divided, the amount of explaints of the amount of shares in which it is divided, the amount of explaint stock actually subscribes and the names of the subscribers. These articles of shares in which it is divided, the amount of capital stock actually subscribes and the names of the subscribers in the reflection of the contract of

By-Lyws. Every corporation must adopt a code of by-laws within one month after filing its articles of incorporation. These by-laws must not be meonistent with the law, and must be passed by a majority of all the stockholders after a meeting called for that

by a majority of an time-stockionners after a meeting called for that the state of dents of the state

Powers, Corporations may make then own by-laws, elect their own by-laws, elect their own others, own property, sie and be sued, and generally do any business which private individuals might lawfully do.

ousmoss when private maximians might fawhing do.
Dissort (1408, Og. Corporations are dissolved by the distract court of the county upon voluntary application, and an no other way. This application must be in writing, must state that at a meeting of the stockholders by vote, and that all claims and de-hands against the corporation have been satisfied and dis-lication of the stockholders by vote, and that all claims and de-hands against the corporation have been satisfied and dis-charged. This application must be signed by a unifority of the board of directors and must be verified. If the larger's satisfied that the application is in torm, be orders if filed and directs the

elerk to give thirty days' notice by publication in some newspaper. Any person may appear and object, and if any objections are made the court hears and determines the matter, and if the state-ments of the application are found to be true be enters a judgment dissolving the corporation.

DEETS.—Corporations may not incur debts beyond the amount of the subscribed stock.

of the subscribed stock.

FOREION CORPON NTIONS.—If a foreign corporation shall appoint some person residing in the county at which the principal
place of business of such corporation in Idaho is, as the person
upon whom legal process may be served, and file such appointment
with the serveriary of state and in the office of the elerk of the
district count of that county, then such foreign corporation may
have all the rights and privileges or like domestic corporations,
including the rights and privileges or like domestic corporations,
including the rooms subject to the laws of the state applicable to like domestic corporations.

### LIENS.

Liens are given for material furnished in the construction or re-Lens are given for material furnished in the construction or repair of any building, mining claim, bridge, fence, machinery, railroad, wagon-road or aqueduct to create hydraulic power, by virtue of contract with the owner or his contractor. The lien attaches to the improvement and to enough adjacent land for its convenient use, and is superior to any other incumbrance created after the first of the material is furnished. To secure the lien the contractor mats within sixly days from the completion of the contract, and the sub-contractor within thirty days, file notice and claim of hen in the county recorder's office. The hen is foreclosed by sut in the district court, begun within ninety days from the filing of the notice. tiling of the notice.

### MINING.

WIFTH OF CLAIMS. Mining claims hereafter borded upon veius or lodes of quartz or other rock in place, or any metals or other yields of positive standard of the results of the context of the context of the context of the context of the standard of the or used side of the middle of the vein or lode. The locator of any lode or mining claim must at the time of making the location place substantial stake, post or monument, not less than tour inches in diameter, at each end of the ground claimed, as near as practicable to the middle, and also a similar mark at each corner of the location, such marks to be at least four teet high and must be marked distinctly with the name and location of the claim.

Sorte E. The indice of location must be conspicuously at Sorte E. The indice of location must be conspicuously at the context of the context of

reasonably certain from the notice itself.

WHEN TO BE RECOMMEN. Every claim must be recorded within fifteen days from the time of posting the notice, in the district in which the claim is located, or at the nearest office. For the convenience of prospectors and locators the county recorders of the several counties must appoint a deputy at any place where they deem it necessary, and in all places more than ten miles distant from the existing once whenever ten or more mining locators interested petition for such appointment. Upon radiure to make such appointment for ten days after receipt of petition the resident miners may temporarily appoint one of their own number to act as recorder, and his record shall be as valid as though made by deputy, provided, that whenever the recorder appoints a deputy for that district the authority of the person elected by the resident miners ceases. At the time of presenting a notice for record, or within five days, thereafter, one of the

appoints a deputy for that district the authority of the person elected by the resident miners ceases. At the time of presenting a notice for record, or within five days thereafter, one of the locators maned in the same must make and subscribe an affidavit in writing on or attached to the notice which must centain the name of the lode, being or claims must state that the claim ame of the lode, being or claims must state that the claim according to the law of the United States in this state, or it so located has been abandoned or noticefuel by reason of the railiure of the locators to comply with the law.

How Recorded by the deputy appointed by the claim. It must be recorded by the deputy appointed by the district recorder is substantially the same as the notice placed upon the claim. It must be recorded by the deputy appointed by the district recorder of the content for the law of the locators are considered by the deputy appointed by the deputy appointed by the law of the locator of the content of the same, and for indexing the indexed with the names of all locators arranged in alphabetical order. The tee to be tendered for making such record, administering the earth and certifying the same, and for indexing the notice by the recorder, is \$2, which be must be equally divided between the recorder and the deputy, and no other or additional for any services connected with the recording of the recording of the recording particle of the particle of the state.

DELITY TO TRANSMITY NOTICE to RECORDER, The deputy recorder of mining claims of each district or the person elected in the space of the claim of the previously transmitted, which must at ones to recorded by said on infining claims.

DELITY RECORDERS THES. DELITES, Deputy recorder provided for

recorder mathods to be kept at his office and known as the book of mining leafness. But 148, Dentity recorders provided for by this law are not authorized to pertorm any other than the special duties herein specified. They must keep an otheral seal, and the records in their custody are public records, and the seal of a deputy recorder must not be attached to any paper except for the purpose of authenticating certificates attached to transcripts in his ensistody.

PLACER CLAIMS, Low VITON OF. Placer claims may be located under like circumstances and conditions and upon similar proceeding as far as applicable to those provided in the case of lode claims.

MARKING THE GROUND AND NOTICE. The locator of any placer mining claim must at the time of location place a substantial stake or monument at each corner of the location, and post on each a notice of location as required in ease of a load claim.

RECORDING. The same affidavit must be attached to the notice of leation of every placer claim, and notice and affidavit must be ifled for record the same as for lode claims.

RIGHT OF WAY. The owner, locator or occupant of a mining chain may have and acquire a right of way for incress and egress when necessary in working such mining claim over and across the lands or unning claims of others. When any min criming claim is so situated that for the convenience and enjoyment of the same at the content of the convenience of the non-tention of the same a point, radiced or framas theoretical results of a didth or causal to convey water thereto, or a didth, thane, cut or tunnel to convey water thereto, or a didth, thane, cut or tunnel to convey water or tailings theoretical results of shall may be required for the better workings thereton, or a timel or shall may be required to the better workings thereton, which road, radicoad, trainway, ditch, canal, thine or tunnel may require the use or occupancy of lands owned, occupant of the mine or mining claim first mentioned is entitled to a right of way and to enter into possession for such uses and privileges. For such purposes a road, radicoad, trainway, ditch, canal, thine of tunnel, in, upon, through and across such other lands or inmine claims may be constituted upon compliance with the following provision. When the owner contribution way above mentioned and wheth cannot be accomised by agreement with owner of lands or claims over, under, across or upon which he seeks to establish this way, he may present to the judge of the district cont within and for the county in which such right of way or some part thereof sought to be controlled situated. judge of the district contribution and for the county in which such right of way or some part thereof sogilat to be enforced is situated a petition that such right of way be awarded him. Such petition must be verified and contain a particular description of the nature and extent of the rights sought, a description of the nine or claim to petitioner and the claim of lands to be aftected by such right, with the names of the owners or occupants thereof.

CITATION. Upon receipt of such petition and filing same with the clerk of the court the pidge mist direct a citation to be issued the ejerk of the court the indge must affect a citation to be issued under the scal of such court to the owners manned in the petition to appear before the judge on a day therein named and answer and show cause why such right of way should not be allowed Such ethaton must be served on each party in the same hanner as other legal papers

HEARING. On the return day of the citation the proceed to hear the allegations and proofs of the respective par-ties, and it on such hearing he is satisfied that the claims of the thes, and it on such neuring he is softshed that the examis of the perfutioners can only be conveniently worked by means of the privileges prayed for, he must award to the perfutioner such right of way, and must appoint three disintenested commissioners residents of the county to assess the damages resulting to the lands affected by such order

COMMISSIONERS. The commissioners must, without teason able delay, assess the damages and report the amount of the same to the noige. For good cause this report may be set asale and three other commissioners appointed.

three other commissioners approinted.

APICAA. Appeals from the assessment of damages made by the commissioners may be made and prosecuted in the proper district country by any party interested, at any time within ten days after fliming the report of the commissioners. Notice of such appeals the property of the commissioners. Notice of such appeals the property of the commissioners of the property of the with the clerk of the court to which the appeal is taken a bond, with surfaces, in the amount of the assessment appeal of two in layor of the appellere, conditioned that the appellant will pay any modelinent that may be awarded to the superfixed and about by any undefinent that may be remarked to the cause. The prosecution of the appeal does not himber, delay as sometime, make the ward it he first with the clerk of the court a bond, in double the award it he first with the clerk of the court a bond, in double the amount of the assessment appealed from, conditioned that the appeals of the property of the first which the dependence of the court a bond, in double the amount of the assessment appealed it from, conditioned that the appeals or the assessment appealed from conditioned that the appelled will pay to the appellant all damages he may sustain and the amount he may recover in the action

amount in may recover in the zerion.

Cost's, If the appellant recover indement against the necessity of the cosmon of Stemote damages than the commissioners part the costs of the appellant process of the probability of the part the costs of the appellant must pars such costs. The costs and expenses of proceedings under the provisions of this law, except as herein or of the was provided, must be paid by the party making the application, unless the application commencement of such proceedings has tendered to cant netotic commencement of such proceedings has tempered to the parties owining of occupant the chains of mining claims a sum equal to of more than the amount of damages tecovered in such case the costs and expenses most all be paid by the parties whose lainly were afterly by such right of way and who resisted the claim of the applicants

resisted the claim of the applicants.

MAN PARINESHIP PROPERTY. The imming ground owned and worked by partners, whether purchased with partnership must or not, is partnership property.

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PARY HESHIP AND THE CONTROL OF THE PARY HESHIP AND ADDRESS. THE CASE HESHIP AND ADDRESS. THE PARY HE PA title to land or real estate

## WATER-RIGHTS.

The right to the use of running water may be acquired by appropriation, if it be for any useful purpose. As between the appropriators the one first in time has the right. A person who desires to appropriate water must post a notice at the point of the intended diversion, statug amount, purpose and means by which he intends to divert it, and must begin work on such dich, pure or appropriate as he into us to use, and must continue such work until finished, unless temporarily interrupted by snow or rain. He must also file a copy of the notice above mentioned within ten-days with the recorder of the county in which said notice is posted. A failure to comply with this rule deprives the claimant of the right as against a subsequent claimant who does.

## ILLINOIS

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#### CORPORATIONS.

FORMATION OF Corporations for perumary profit for any lawful purpose except banking, insurance, real estate brokerage, the operation of railroads and the business of Joannai money are tormed under the general statute of Blunds regarding corporations for perumary profit. To obtain a classification of the state of the infiling of states, and the direction of the corporation, which the principal of the secretary of state, who therefore its then filed in the office of the secretary of state, who therefore issues to such persons a there is commissioners to open books of subscription to the capital stock of the corporation. The capital stock must be all fully subscribed, and the commissioners must then convene a meeting of the subscribers for the purpose of electing directors. Notice of such meeting must be given by depositing in the postoffice, addressed to each subscriber, the days before the time fixed, a written or printed notice, stating the time, place and object of the meeting. At this subscribers including the content of the property of the content of the property of the content of the term or once or one cases state expire on the day of the first an intal electric, and the third class two years thereafter. When so dayed, the shockholders accepted each work to the third term of three coars as many discolars as are in the thorough electric cases as a first the term of the coars as many discolars as are bond of authentical relax whose term expires. Whenever, in the bond of authentical relax whose term expires. Whenever, in the day and the order of the day and the

the board of directors are filled in accordance with the by-laws of the corporation. When the directors have been elected as above stated, the commissioners make a full report of their proceedings, including a copy of the notice to the subscribers, a copy of the subscriber to the subscribers, a copy of the subscriber to the subscribers, a copy of the subscriber to the subscribers, and the including the subscribers, and after the amount of the subscriber to a state thereing on issues a charter or certificate of organization and attaches thereto a copy of all papers filed in list charter is then recorded in the other of the recentry of deads of the country where the principal office of the conjugative scaled.

EVALWS V corporation may adopt such by laws and the state, not can the number of directors be increased or dark soft the state, not can the number of directors be increased or dark soft of the state, not can the number of directors be increased or dark soft owners of a majority of the store.

ished of their term of onice changed without the consent of the whees of a finite try of the stock. 1440-1608. The annual elections for directors occur at such time as may be fixed by the loy-laws, and may be changed from time to time by changing the by-laws.

time is may be fixed by the to-laws, and may be enumed to the by charging the by-law, interfuse no may be held with the consent of a mapority of the directors at any place within the consent of a mapority of the directors at any place within the land of states, but the main office for the transaction of business must be kept within the state and must be that designated in the articles of measurements of the corporation must consist of a president, see peragraph of the corporation must consist of a president, see peragraph theorem and such other officers as the

in ectors may determine upon.

LATHERY OF STORMERICHERS. Every subscriber is liable to the LATHERY OF STORMERICHERS. Every subscribed for by him, and must be a few for the design of the late of late

CONTING VOE. Torporations continue for two years after the time for which they were organized, for the purpose of winding up their afters.

FARLERS TO ELECT OFFICERS. A failure to elect officers or to transact corporate business does not have the eigent oilsolve the corporation, but an election may be held and new officers elected at any time after proper notice.

DISSOLUTION OF CORPORATION. If a corporation does or

the collection among the proper matrix.

The sort I (DNS of Collection Matrix II) a corporation does or retrains from doing any act which subjects it to a fortesture of its charter or allows an exception for payment of money to be returned no property found or remain unipid ten days after demand by the other baying such execution, or shall dissolve or generating his ness seavant orders who have not past of solve or considerable of the state of the delta which corporate stock, and each stockholder may be required to pay on his unpaid subscription his propara share of the debts which exist and are unipaid. The court also has nill power upon good cause shown to dissolve or close up the busness of a corporation of appendix presented to so and to close up it failles.

The first contraction of the court also distinct that are unpassed upon corporations of this power organized under the laws of this state, and have no other or greater powers.

## EMINENT DOMAIN.

Private property may be taken for public use, for public roads, for railroads, roads to mines and units, but not without compen-

in religions. Foods to mines and mills, but not without compon-ution perstands.

The party authorized to take or damings the property required or such purpose may apply to the judge of the circuit or county court by flang a portion setting forth the authority and purpose to which the property is the taken, a description of the proper-erty and the mannes of all persons interested in the property and certy and the mannes of all persons interested in the property and extra and the mannes of all persons interested in the property and certy and the mannes of all persons interested in the property and the monitorit and not be published to cach membersheld dependent du-component and market and the property property may be included in one petition at they are at the same county, but the compensation must be assessed separately by may. Now parties may be bought before the control of the same county, but the may be bought before the control of the same county. Surface, and the property of the property hearts of the property, hearts in the rest of and markets and from them a sheriff sury of twelve is selected by let. This pay is sworn, examines the property, hearts the proof and markets as to the property because of the imperior, ment cannot be deducted from the account of the direction of the index, showing how much damage each person is critical pro-ment cannot be deducted from the respect to the property between the appear-ment of the assertia ned compa insistem.

Appeals be from the decision of the count to the supreme-toment and property and the supremental of the property stores the appear is devaled. If he are the decision of the count to the supreme toner that the property is damaged appears, the peti-tioner may enter upon the use of the property before the appear is storated. If he are the decision of the count to the county resource, and he shall on demand, pay it to the party entitled thereto.

#### LIENS

Persons furnishing materials under contract with the owner of any for or peeced land for the effection or repair of any building thereon, or appartenance thereon, or repair of any building theorem of appartenance thereon, or centified to a fern upon the building and but of had for the amount due. Subscontractors and workmen are required except where the swom statement of the configuration serves to give the women due after the completion of the retain for the configuration of the configuration serves to give the women due after the completion of the retain for the working a directly expensively decided to that. Wherever the original contractor desires to the made to had. Wherever the original contractor desires to the major and the modern form of the working and the modern scale and subsconting of the configuration of the major and the subsconting of the contractors or workmen, and the amounts due or to become has no been or melt of action, and where the major where the payment is alread, and does not deplie subsconting of the payment is allegal, and does not deplie subsconting on the payment is allegal, and does not deplie subsconting on the contractors of workmen the payment is allegal, and does not deplie subsconting the subsconting of the payment is allegal, and does not deplie subsconting the subsconting of the payment is allegal, and does not deplie subsconting the subsconting of the properties of the payment there are not provided to the contractor of their rights. To enforce the claim to a lieu, a built in equity must be filed in a court of record, setting out the centract, the amount due and impact, a description of the premises, and passes in the subscient of the premises and between them, if necessary, and the owner cannot be required to pay more than the amount contracted to be paid to the premises and between them, if necessary, and the owner cannot be required to pay more than the amount continued to be paid to the principle of the excellent was beginn, and take preference over such particular to

M111/81118. Any person owing land on one or both sides of a water-course, who desires to build or repair a null or creet or im-prove a dam, may, it the compensation for the land taken cannot be agreed upon cause the damage to be appraised by filing a peti-

tion in the county or circuit court and giving notice to all persons interested, both personally and by skyty days' publication in some newspaper. After the requisite notice has been given, a light in the content of the personal part of the

#### MINING.

DRAINS, ROADS AND RAILROADS. Whenever any mime can-not be worked without a road of railroad thereto or a diletion dran to convey water to or from it, the owner or or a diletion man may appropriate kind stiffiction to construct such railroad, road or duch by proceeding under the law relative to cument

MAINS, EQUES AND RAHLEGADS. Whenever, any under earlier of the worked without a read or rational thereton of a diction from the control when the appropriate kind sufficient to be read on the control when any appropriate kind sufficient to be read on the first manner and appropriate kind sufficient by proceeding under the law relative to eminent formal, and the sufficient of the control of the

two distinct available means of ingress and egress. Passage-ways to escapement-shafts must be at least five teet wide and five feed high. The escapement-shafts are constructed under the direction of the inspector, and must have stairways not steeper than forty-five degrees, provided that if the mine be not more than one hundred feet deep the inspector may allow suitable holyting apparants instead of stairways. No obstructions or re-cain be permitted in any escapement-shaft or on any stairway, by agreement between adherent owners of mans where the By agreement between adjacent owners of names where the workings are driven together and a roadway kept open between,

workings are driven discensed and a foreign a level upon converge, APXIII.470.8. Sufficiently wellfalled on, not less than one home dred either feet of air for each man and see hundred either feet for each animal per minute, must be provided and mantimed, and if the hispector directs, this amount must be increased. Doors and major artires for conducting ventiation must be high and it the hispector directs, this amount must be increased. Doors and main entries for confidency contribution must be tight and close flictured entries for confidency contribution must be tight and close flictured that the art contradicts properly controlled. It the door to see that the art controlled is properly controlled. It the mass the condition of the door to see that the art controlled in mission of the mass of the controlled in the mass of the controlled in the mass of the controlled in the mass must be examined every morning to see whether there is any damper or obstruction or the divertisation, and in person is allowed to after the mane unit (it is a personal state by the examiner, the examined every morning to see whether there is say damper to other the name unit; it is a personal state by the examiner. The examiner the pass a record of the condition of the name in the first similar to the examination of the inspector, that each of it is not not so split as to give a separate cause of the expect of it, is made to expect the near Mines and the inspector must see that powder is separate extracted in the expect of the probability of the product mass see that powder is separate extracted in the product in the morning product man in the them is more search to each direct search of the probability of the experience in such date expects the fundamental search of the product of the experience of such dates, it is furnace as as 1 for 1 m of the entired at the experience of the experience of the experience of the entired of the experience of the entired of the entired of the experience of the entired of the experience of the entired of the ent

contribed into any compariment, downing a loost in shall use after a shall on perst.

SteXALS, Horstways, Evytyop robe of econdrima must provide a safe rog, row yield without, can for the history lowering persons, with both so, so, to use the start or lowering persons, with both so, so, the control hosting or lowering persons, with both so, so, the control may of machine y. In every committee operated by Staff, and so from power of the three matters and the formal both from of every shall, who shall have the control of thostin, be not such as the control of the staff, which is the control of the staff, and so the staff is the staff, and the control of the staff is not the staff in the staff, and the control is so that the control of the staff is not the staff in the staff is the staff in the staff in the staff is the staff in the staff in the staff is the staff in the staff

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of the mine until the same has been made safe and the law compiled with,  $\langle \cdot \rangle$ 

INJURIES.—For any injury occasioned by violation of the law ISAUGIFS.—For any injury occasioned by violation of the law about coil initing a right of action accures to the party injured for all damages sustained, and in case of loss of the through such violation the widow, heirs, adopted children or any other person dependent on the one killed may recover not exceeding

INJURY TO MACHINERY. Any innery to the machinery, obstruction of arrways, errying lights into places worked by the light of safety-kamps, disturbing the machinery of the housting-engines, or doing any other act whereby the layes and heafth of the persons working in the inner or the scenario of the interval of the machinery are endangered is a misdemeaned punishable by such line as the court may direct. such fine as the court may direct.

Proofs. The operator of every more must keep a supply of props and cap-proces on banel and deliver same with the miner's empty car.

THE PROOF BETTINGS. All engages, but or houses, horsting-dertricks and other machinesy must be rooted and sided with my proof materials, and there must be provided a steam pump and a sufficient supply of water and hose to guided assaust free. If this is not done the inspector process in the same main a silhough the operator remised to allow the man et to be aspected.

is not done the inspector proceeds in the same main a sa though the operator remised to allow the mini to be inspected.

COPPER MATERIAL SALAM AND ALLOWING MATERIAL SALAM AND CONTROL MATERIAL AND ALLOWING MATERIAL SALAM AND GOOD THE RESEARCH OF THE MATERIAL SALAM AND HOST BEIDE MATERIAL SALAM AND HOST BALAM AND HOST BALAM AND HOST BALAM AND HOST BALAM AND HOST BAL

being weighed, and mist be weighed in the pit cars at two thousand sounds (ethe for her etheing damped into the seven is shape). We well as or MASS. No person can take chatge of the date of mine in a calmar boss of pit boss in a fire where the composition of the pit cars and the state board of the cars of the date of the state board of exhibit exhibit on the state board of exhibit exhibit on the state board of exhibit exhibit of the state board of exhibit exhibit of the state board of the date of the state board of exhibit exhib

#### WALLS

WI LELY PAYAR STOL. Lavey manufacturing mining one, plang or other conjunction must pay its conjunctive weekly all wares cannot be such complete up to within say days of such payament, and it such conjunction to plane its provision it such be helder to a pen utty of not 1'ss. than 30 nor in or than 350 to pen utty of not 1'ss. than 30 nor in or than 350 to pen utty of not 2'ss. than 30 nor in or than 350 to pen utty of not 2'ss. than 30 nor in or than 350 to a pen utty and nor in the accordance of the such as a constant of the pen utty and the such as a constant of the pen unit suit contains the such as a constant of the pen units of the such as a constant of

recovered pentity of not seem than so not in the Set for collected within the recovering for each statement of the section of

## INDIANA

#### CORPORATIONS

How Incorrentation. Whenever three or more persons may desire to form a company to carry on any kind of manufacturing muning, mechanical or chemical business, they shall make, sign and acknowledge before some officer capable of taking acknowledge. and acknowledge before some officer equable of taking acknowledge decade a certificate in writing which shall state the corporate name, the object of its formation, the amount of equital stock, the term of its existence not, however, to exceed fifty years), the number of directors and their names who shall majace the adiary of such company for the first year, the name of magnetic adiates of such company for the first year, the name of the town and county in which its operations are to be carried on, and life the same in the office of the recorder of said county, which certificate shall be placed upon the record, and a duplicate which is the said that the said that the said that we have been field as altoresaid, the signers shall be a body politic and corporate, and by their corporate name may take, hold and convey real estate necessary to carry on the operations named in such certificate.

tificate

Differences.—The business shall be managed by not le Diffectors,—The business shall be managed by not less than three nor more than eleven directors, who shall be stockholders therein and residents of the United States. A majority of the directors shall be a quotum, They shall be elected by the stockholders annually, and the directors thus chosen shall elect the president thereof. They shall also annually elect a secretary and a treasurer, who shall respectively give bond, and be sworn to the faithful discharge of the duttes assigned to each of them. Voting by proxy is allowed, each share of stock entitling the owner to convexity. vote

PITAL STOCK. The amount of capital stock shall be fixed by high state of the model of capital states shall be fixed by the capital states and the fixed by high states and the capital states are capital states and the capital states are capital s stockholders of the corporation in which stock is sought to be

PAMENT FOR STOCK. - The capital stock shall be paid into the casury within eighteen months from the incorporation of the

same, its such installments as the by-law storect.

CERTIFICATION OF WAREN TO BE FILED. The president and directors, within thirty days after the payment of the last installment of the capital stock, shall make a certificate stating the amount of the capital stock, shall aid, which they shall sign and within thirty days file in the office of the clerk of the circuit and within thirty days file in the office of the clerk of the circuit

court.

REDUCTION OF CAPITAL. Every such company, at a meeting called for that purpose, may reduce the capital stock of the same, ANN U. REPORT. Every such company shall animally within twenty days from the 1st day of January make a report, which must be published in some newspaper in the county, which shall state the amount of capital, the amount of assessments made and actually pad in, and the amount of resting debts; which report the said president and directors shall san and verify by their cottle.

ouths.

LIMILITY OF OPTICERS. If said certificate or report or public notice shall be talse, or if such report is not made, and any person is miscled or deceived thereby and damaged, then all the officers who shall sign the same, knowing it to be false, or farl in giving the report as atoresaid, shall be jointly and severally liable for any damages resulting from such failure on their part.

LIMILITY OF NOW KINGLINER. The stockholders of manufacturing and inline corporations shall only be hable for the amount individually liable for all data size and mying labories, servants and employes for services rendered such corporations.

#### LIEVS

HEVA (eq. 1149). It all coal names in this state the namers and other persons employed and working in and about the names, and the cover of the later of the late

Siss brought to entouce any lien become regarded shall be brought within one year trong the different lifting soft bein. All wages for working in and about the inner shall be due and payable on the second saturday of the month after the month in which the was done, and all payments shall be made in bankable funds of the state of Indiana.

#### MINING.

AT YOUR OF EMPLOYES OFFICES WATER. It shall not be lawful for more than ten persons towork in any nine in every

twenty-four hours, after five thousand square yards have been escavated, until the second outlet shall have been made. Said outlet shall be separate from the hoisting-shaft by at least one

evenvated, until the second outlet shall have been made. Said outlet shall be separate from the hoisting-shaft by at least one hundred feet of natural strata, and shall be available at all times totall employes engaged in the mine. The traveling roads to said outlet shall not be less than four feet high and three feet wide.

ALIE-WAYS—Ali-WAYS shall be made in every room, at least of the mines must not be left standing open.

TEMERIS—A sufflicient supply of finiher shall be kept at the mine, so that the workings them caving in, and props of proper length shall be delivered to the rooms of the workings them ever length shall be delivered to the rooms of the working when needed and required.

LAMES LIGHTED, WHEN—When two veins of coal are being mined in one shall, two reflecting lamps shall be kept tall these with said mine is in operation.

SIGN W. BELIS—There shall be a formally of signals at all coal-standing the standing of the shall be shall to be shall be s

mine.

mine.
PROVISIONS AS FOGUS AND WATER.—When the place Is likely to contain a dangerous accumulation of water or gas, the workings approaching such place shall not exceed eight feet in width, and there shall be constantly kept one bore-hole near the center of the content of the

the number of persons cinployed in orabout the mine, the number of mules and horses used, and the number of days worked in each nonth. None but experienced, competent and sober engineers shall be placed in charge of the engine used for conveying into and holsting persons out of such mine. Such shaft shall be securely beneed off, so as to protect the month thereo; and approved safely eatledes shall be attached to every such cage used for the purpose of hosting or lowering persons.

INSPECTOR APPONYMENT, QUALIFICATION, CERTIFICATE OF OFFICE-The state geologied shall appoint an inspector of the protection of the purpose of the purp Shart or appointed and pillature presented as a system matter, which examination shall be wholly under the control of the state geologist, who shall give a certificate of appointment to the person appointed. The inspector of thines shall appoint an assistant, who shall pass such examinations touching his qualitations for such position as may be prescribed by such inspector.

of mines.

RESHORTS—PRACTICAL MINERS—NON-INTEREST IN MINE.

The inspector of mines and his assistant shall be residents of
the state of Indiana for five years immediately preceding their
appointment to office, and shall be practical miners of at least ten
years experience in actual mining. He shall not have any pecuidary interest in any cool mine within the state, and he and his
assistant shall file with the secretary of state a sufficient bond or
bonds for the faithful performance of their chulles. He shall make
an immed pour he the state and mining the state within the secretary of state as the state within the secretary of state as the shall make

to have to be reported by the mine inspector, which report shall be inhibited with the report of the state geologist. SALARIES EXPENSES. The inspector of mines shall receive for his services \$1,500 per annum, and such assistant \$1,000 per annum, \$500 per annum shall be made over to the inspector or mines for the necessary expenses of himself and assistant in the

nimes for the necessary expenses of masser and assistant in the testing of weights and measures.

PROTHEFFE EMPLOYMENT OF PERSONS. No female of any age or male under the age of fourteen years shall be permitted to enter any coal mine in this state for the purpose of employment therein.

Wygrs, Corporations, companies, associations, firms and per-

sons engaged in mining shall pay to their employes every two weeks the amount due such employes for labor, and such payment shall be in lawful money of the United States.

## INDIAN TERRITORY

(CHEROKEE NATION)

### MINING

MINKRALS THE PROPERTY OF THE NATION.—All numerals existing in their natural states within the limits of the Cherokov Englishes To MINK Ft. Ft. How ORFALNED. Every bona fidelitizen of this nation wishing to mime numerals, or maintachine silt, or to engage in the collection or refunne of each off operation, or the maintacture of medicinal waters, shall make application in writing to the treasurer of the nation to that

purpose, stating the minerals he wishes to operate in, the number purpose, stating the ininerals he wishes to operate in, the number and names of the stockholders of the company, where hocated, and rather than the provided he does not antringe upon the rights of any other either or maintace company. He shall not operate a second claim without having surrendered the first.

LICENSE, Before beginning the work he shall obtain from the treasurer a heerise for that purpose, and shall, at the same time, excente to the Cherokee Nation a satisfactory bond in the sum of

execute to the Cherokee Nation is satisfactory lead in the sum of \$9,000, with sufficient security, conditioned upon compliance with the requirements of this set.

Reporters. He shall report under condition the treasurer quarterly the gross amount of numerals named, salt manufactured or universal waters prepared for sale during each quarter preceding such report, and at the same time pay into the treasure, for the benefit of the school or orphan times, a since epart to the per cent, of the value of such minerals at the place of production. He shall also report to the treasurer, at once, any other numerics found upon corporating it into the original contract.

PENMLIPS. Ever entrem of the nation who shall make a

orporating it into the original contract.

PENALTIES: Every entizen of the nation who shall make a grant to any person other than a criticen of the same shall be ined a sum not to exceed \$2,000 for each offense, and fortest his

lease and bond.

No heepise stall be granted to a longer period, than, ten years, but the privilege is extended to the lessee forenew his lease upon the payment of all arrears to the nation.

## $1 \odot VV \Lambda$

Compiled by C. M. Briows, Attorney at Law, What Cheer, La.

### CORPORATIONS

FORMATIONS

FORMATION OF The constitution provides that no corporation shall be formed by special baws, but the general assembly shall provide by general laws for the organization of codesin shall provide by general laws for the organization of codesin shall be shall be stated by the control of the contro

prom.
Any mumber of persons may associate Themselves and become meorporated for the transaction of any lawful business. Among the powers of such body corporate are the following.
1. To have perpetual succession.

To may expense as weeks and to see anne. To such and be sued by its corporate name. To have a common seal, which it may after at pleasure. To render the interest of stockholders transferable. To exempt the private property of its members from hability not corporate debts. To make contracts, acquire and transfer property, possessing the same powers in such respects as private individuals

may enjoy.

Fo establish by-laws, and make all tules and te\_alations deemed expedient for the management of their affairs in accordance with law.
LOWMENCING RESINESS - Previous to commencing any bus

TOWNEY N. R. STANSS. Previous to confinements any bus-ness except than to of campation, at the loss of most proclaim most be adopted, which must be seen and acknowledged by the orthogonal of the country where the principal place of business, so to be the country where the principal place of business, so to be. The articles must be recorded within five days by the recorder, and he must certify thereon the time when the same was filed in his office, and the book and page where the record thereof will be found.

The articles and certificate of recorder shall then be recorded in the office of the secretary of state.

in the office of the secretary of state. The articles of memory portation must be the linghest amount of indebtedness or hability to which the corporation is at any one time to be subject, which must in no case, except in that of risks of insurance companies, exceed two thirds of the capital stock, NOTAL PLATSHIP A Moreover must also be published to to weeks in succession in some newspaper as convenient as possible to the principal place of business. Such notice must contain 1. The name of the corporation and its principal place of trans-

acting business.

The general nature of the business to be transacted,

The amount of capital stock authorized, and the times and
conditions on which it is to be paid it.

The time of the confinement and term nation of the cor-

oration. poration.

By what others or persons the affairs of the corporation are to be conducted, and the times at which they will be else ted. The highest amount or indebtolies set which the corporation is at any time to subject itself.

Whether private property is to be exempt from corporate

The corporation may commence unsuess as seem as the artheless of meroporation are find in the office of the resorder of deeds, and the doings shall be valid if the publication in the newspaper is made and artheles recorded in the office of the secretary of state within three months from such thing in the tree-died's office, Am of the provisions of the artheless of incorporation may be changed at any animal necting of the stockholders, or special meeting called for that purpose, but are not valid unless recorded The corporation may commence business as soon as the articles

as the original articles are required to be, said changes need only be signed and acknowledged by the officers of the corporation.

to be signed and acknowing age by the conference of the corporation of the period fixed in the articles, except by manimous consent, unless a different rule has been adopted in the articles.

The same newspaper publication must precede a premature dissolution as required at its creation.

A failure to comply substantially with the requisition in relation to organization and publicity renders the individual property of the stockholders liable for the corporate debts.

In KATOS, storporations shall not exist for more than twenty years, except those for the construction of any work of internal vests to fifty years, but may be renewed from time to time. In a construction of any more construction of any activities of a first manifestic story of the construction of any work of internal maximum construction of the construction of any work of internal articles of morporation, on in decenting the public or individuals in relation to their means or their habilities, shall subject those guilty thereof to line and impressionment, and damages may be recovered by any person who has sustained injury from such trand.

A single individual may entitle lumselt to all the advantages of the law, provided be complies substantially with all its require-ments, onlitting those which from the nature of the ease gre

ments, offilling those when from the nature of the case are mappheable.

No body of mentacting as a corporation shall be permitted to set up the want of a legal organization as a decrease to an action against them as a corporation; nor shall any person such on a confract made with such a corporation, or shed for an input to its property, or a wrong done to its interest, be permitted to set one of each of shall be a corporation in hys deduced.

its projectly, of a wrong done to its interest, be permitted to set up a want of such legal organization in his dedone, permitted to the project of the proj

whenever the general assembly shall doem necessary for the public good.

Four fox Componentions. It was emacted by that plate 75 to the acts of the twenty first general assembly that "any corporation for permitten for permitten for permitten for the acts of the twenty first general assembly that "any corporation for permitten for manufacturing business, organized under the laws of any other state or of any territory of the 1 mind states, or of any toriem country, designing to transact its business or to continue the transaction of its business in the state, shall be required to the remarkable of the state of the states of the state of

Barron vs. Barnside, 121 U.S., 186,

There is no statute provided by which a miner mining coal can and hinself of a life, except for the construction of works, and hinself of a life, except for the construction of works, except one machinery or material furnished, which is covered by the mechanics here have a variable for an initial all abovers and material then who perform work upon or furnish material for construction or improvement of projectly.

#### MINING

The state is divided into three unjury districts,

MINING.

Its superioris. The state is divided into three annuing districts, and there are three mine inspectors, one for each district, and there are three mine inspectors, one for each district, and see that the growth of, and holding their ofter to be weaking, their duties require them to examine the inness of their district, and see that the normal laws are compiled with.

Mars or Mixes. The agent of owner of every coal mine shall make, or cause to be made, an accurate major stach innic, and on or before the 1st day of September of each year report all progress in working and mine. When a mine is worked out and same to the inspector, to be fixed in his office.

Of 1114 so if 1st viry. There shall be at least two separate outlets, separated by natural strata of not less than one hundred leef in beginning and the district of the fixed property of the fixed in his office.

It is not not a state of the state of outlets distinct means of magress, and egress, are always available to the persons employed in the man. In no case shall a furnace shall be reposed as an escape shall have been also as a secure shall be a fixed which shall not be divided, which has shall be a fixed as the second thin so that the shall be a fixed as an escape shall have been also been also as a second fixed which is a fixed by the fixed by the fixed probability of the fixed pro

A failure to comply with the law in regard to the appliances and other provisions of the law makes the same liable to be enjoined, and liable torall damages which may accrue by reason of the failure to comply with the provisions of the law.

une to comply with the provisions of the law.

Any numer, workman or other person who shall knowingly induce or interfere with any air-course or brattlee, or obstrued or throw open doors, or disturbany part of the manchinety or do any act whereby the fives and health of the persons or the security of the numer sand machinery is endangered, shall be deemed guilty

of the innues and machinery) is efusiangered, sum to electred unity of a misdementor, agent or operator of any coal inline shall keep a sunction supply of turber to be used as props, so that the workmen may at all thins properly secure the workings.

PENALTIES.—Any berson willfully neglecting or refusing to comply with the provisions of this act, when notified by the mine inspector to comply with such provisions, shall be deeined guilty of a misdementor, and upon concribent thereof, shall be purished by a fine purpose of the provisions, or unprisonment in the county jail.

Set ALSE, the owner or agent of each coal mine within this.

not exceeding SIX MORIUS.

SCALES. The owner or agent of each coal mine within this state at which the miners are paid by weight shall provide at such mine suitable scales of standard make for the weighing of

such infine suitable scales of standard make for the weighing of all coal miner the person authorized to weigh the coal to be swun, shall require the person authorized to weigh the coal to be swun, and the oath posted in a conspecious pine, and the south of such and any mine may furnish a competent check-weighman, who shal at all proper times have full tight of necess and examination of such scales, machinery or apparatus, and sceng all measures and weights of coal mined and accounts kept of the same. Fray to TWW HeIGHEST Frand in weighting committed by the company, check-weighnian or any person committed by the content, the total Post of the same of the sam

company, energy-regulation of any persons, Soan or parameters of the of not best than Soar more than Soa, or imprisonment.

WERHER BEFORES REFERENCE, All control of imprisonment of the control of the c value in money.

- Coverciox. Whoever compels or in any manner's

the return Moover compels or in any manner seeks to com-pel or coerce an employe of any person, firm, company or com-lation to purchase goods or shippless from any particular person, firm, company or corporation shall be guilty of a unsalemeanor, and punished by fine or imprisonment.

## QUARRAING.

There are no statutes upon the subject of quarties.

## KINHIH

Compiled by FULLER & RANDOLPH, Attorneys at Law. Putsburg, Kan.

#### COMPORATIONS

CONSTITUTIONAL PROVISIONS—Corporations may be created under general laws. Legislature can conter no corporate powers by special act.

my special net.

Dues from corporations secured by individual hability of stock-holders to additional amount equal to stock held by each. This does not apply to railroad corporations, nor to religious nor charity hours. table ones.

time ones.

Religious corporations, title to all property of same vests in trustees, elected by members.

Term corporation includes all associations and joint-stock com-

panies having powers and privileges not possessed by individuals

Term corporation includes all associations and joint-stock companies having powers and privileges not possessed by individual nor partnerships.

Legislating by the Markis Corporations are: First, public, second, paths of the for religion, fourth, for charity or benevisched, paths, for pools.

Planests to it with the corporations May Br. One and the property of the conduct of any lawful business, and among others enumerated, "the transaction of any manufacturing, mining, mechanical, chemical or incremite and agricultural implement and produce business, either separately or all combined."

MANNER OF ORGANIZING, At least five persons, three or whom miss the citizens and residents of the state, voluntarily associate themselves, and prepare a charter setting forth.

The place or places where its business is to be transacted.

The term for which it is to evid.

The number of its directors or trustees, and the names and residences of those who are appointed for the first year.

The amount of its capital stock, it any, and the namber of shares into which it is divided, Churter is mided to secretary of state, with the of st. Charter is filed and original retained by secretary. Corporation evists from filing, and certified copy is evidence of creation of charter.

SUBSCRIBED AND ACKNOWLEDGED.—The charter of an intended corporation must be subscribed by live or more persons, at least time of whom must be citizen so the state and must be acknowledged by them before an officer authorized to take acknowledgeneits of deeds.

acknowledgments of the corporate name of every corporation cover a transfer of the corporate name of every corporation. Corporative NAME. The corporate name of every corporation. Corporation is the word the most of the with the word "corporation." "company," "gasociation" or "society," and such name must indicate the character of business to be carried on.

Powers, First, To have succession by its corporate name, for the period limited in its charter, and, when no period is limited, for liventy years. Second, To maintain and defend indicat preceedings. Third, To make and use a common scal, and after the same at pleasure. Fourth, To hold, purchase, mortgage or otherwise cortivey such treat and personal estate as the purposence, such other incorporation and continuous as half be requisite for such corporation to acquire, no order to obtain or secure the payment of any indebtedness or liability due to or secure the payment of any indebtedness or liability due to or belonging to the corporation. Fifth, To appoint and remove such subordinate officers and agents as the business of the corporation shalf, require, and to allow them a suitable compensacach subordinate officers and agents as the business of the con-portation shall require, and to allow them a suitable compensa-tion. Sixth, To make by-laws, not inconsistent with existing laws, for the management of its property, the regulation of its allows, for the management of its property, the regulation of its any obligation or contract essential to the transaction of its ordi-nary atlairs. Eighth, To increase or diministration of its ordi-nary atlairs. Eighth, To increase of diministration of the ordi-nary atlairs and the second of the contract of the con-diported of trustees, to be not less than three nor more than twenty-four, and may, in like manner, change its corporate name, without in any wise affecting its rights, privileges or liabilities. ANN M. STATEMENT, President and secretary must make a minual report on oath, to be deposited with the secretary of state on January ist of each year, sheeting its. The amount of the capital stock of the company. Second, The property or assets held by the company. Third, The Habilities of such company, Fourth, The receipts of the company during the preceding year.

capital stock of the company. Second, the property or assets held by the company. Third, The liabilities of such company. Fourth, The receipts of the company during the preceding year. Fifth, The expenditures during the preceding year. Everly corporation for profit, created under any law in this state, failing to make and deposit such statement shall be subject to a penalty of \$200, and an additional \$200 for every month that such company shall continue thereafter to transact fusiness.

Geography of the Experiment of the critical shall be subjected in an at least three directors must be criticals and residents of

the state.

TREASURER, Treasurer must keep his office and funds in

the state.

DIEF FORS LAMALE—Directors knowingly declaring and paying any dividend, when the corporation is shootent, or rendering the corporation insolvent, jointly and severally hable for debt then existing or afterward contracted, to amount of dividend.

BEGAN BESANSS Corporations must begin business within five years from filling of charter, or are thereby dissolved.

LIAMALEY OF STOCKHOLIBES, For debts of corporation must do show the distribution of stock, and a sum in addition equal to apply the property of the pro

Hydraulic Corror vitoss.—Hydraulic corporation or itri-gating company may sell or lease any portion or its power, and may convey water in pipes, canals, etc., or other power by slaft-ing, etc., and may borrow money or issue bonds on tranchises and property. (Blank charter forms may be secured from office of secretary of state on application.)

#### LIENS

Any article intrusted to mechanic, artisan or tradesman tor alteration or repair is subject to hen, and it not paid in three months may be sold.

months may be sold.

One on contract with owner, trustee, agent, husband or wife of owner of land, for mruisling any material to bind, after or regain structure, or furnishing or performing labor, or for trees, sidewalls, etc., shall have hen upon the land and all appurtenances, prior to all heurs subsequent to beginning of bindling, etc.

Original contractors have four months and subsecutifactors and ladorers sayle days, after material was last turnshed or work done, in which to file hen with clerk of district court, and one veri after fluing to begin sulf for enforcement.

All rights assignable. If note be given for claim, such action pay subscontractor, or the latter or either the laborer, hen hes as above.

as above.

Attorney's fee allowed against defendant and property.
Lightning rods not considered in the preceding.
Bond approved by clerk of district court for payment of claims,
and not less than contract price, avoids all heits.
Public work, houd to state must be filed in contract price.
For RENT, Owner of building or hand has hen on goods of
crops. Attachment less for removal without paying rent, at time or within thirty days after removal.

SHAFF.—Escapement shaft must be two distinct means of ingress and earers, connected with each level worked, and each at least one hundred feet from main shaft through natural strata. Must be constructed as main shaft is opened. Failing to provide, punished by face and ingrisonment.

punsued by the and inprisonment.

Exeroxen MENT. Party charging files affidavit and gives bond
for expense of survey, whereupon court orders county surveyor
to make survey and report, upon which injunction may issue.

City may contract for mining under streets, alleys and public

- Company must keep ready for inspection a correct

MAYS—(on)many must keep ready for inspection a correct in the All Morthurs.

MAYS—(and Mowrhige).

All Mowrhiges.

All Mowrhiges and the All Mowrhigh and the All Mowrhigh and Mowrhigh and Mowrhigh and the All Mowrhigh a

INSPECTOR—A state mine inspector appointed by the govern-or has general supervision of all mines, safety appliances, ven-thation, reports, etc.

inition, reporting to persons or property by violation of act tendors operator hable to person innited, or hear. Mixor. Minors inder twelve years of age not employed, nor between twelve and sixteen unless can read and write, and has attended school three months in same year. Short Fithers. Shoft figery must discharge all blasts where

explosives are used, and that only once a day when all others are of mine.

out on mine.

MISH WEXCORS: To fire blasts until coal is "immed" two
feet, of tall depth of drill, to tail to furnish shot firers, to take
down more than five pounds of powder.

### RENTUCKY

Compiled by W. O. II views. Attorney at Law, 30 and 31 Bull Block, Louisville, Kv.

#### CORPORATIO

Corporations are formed by filing in the county clerk's ofnec articles of incorporation staned and acknowledged by two or more corporates as decade are required to be. Such articles son-fer upon the corporation the issual corporate powers, including that of eventputing the private property of the stockholders from

Within three months from the tiling of the articles free corporation must publish for four consecutive weeks, in some news paper as convenient as practicable to the principal place of basiness, a notice specifying

- s, a notice specifying properties, the name of the corporation. The names of the corporation of the name of the corporation of the second forms of the second forms of the first term of the fir
- poration what officers or persons the affairs are to be conducted, and the times at which they are to be
- The highest amount of indebtedness of hability to which the corporation is at any time to subject itself. Whether private property is to be exempt from the corpo-

Material-men are given a hen, dating from the commencement of the work, upon the improvement and the interest of the cin-plover in the land, for all materials turnshed for the election, improvement or repair of any building or structure or any fixture improvement of region of any building of structure or any fixtune thereto. Subcontractors acquire a hen upon the amount due the contractor by giving the complexer written notice of their chain, and that they look to the land and improvements for their compensation. If the materials are turnished to a tenini and he does not pay, and the lessor after taking possession refuses to pay, the building or improvement may be removed after safe under the sunt to enforce the height a such removal will be under previous improvements. The chain for the field in the county deriks often within sixty days after the material is naterial was turnished, the amount due, a description of the property on which a fich is claimed to the tens turnished, with prices. The hen is enhanced by suit in equity commenced by myone claiming a hen within twelve months from the property on when a hear is examined, and a form of the neighbornished, with prices. The hen is enforced by suit in equity con-menced by myone claiming a hen within twelve months from the completion of the work. If one hen claimint commences such suit, all others may the and prove up their hens without formal pleadings.

There is no statute giving to laborers in mines a hen for their WHERE

#### MINING

An inspector of coal names is appointed by the governor with the advice and consent of the senate. The receives a salary from the state of \$1,800 per annum and his traveling expenses, and his duty is to visit each coal name in actual operation as often as may be necessary and examine its condition with respect to ventila-ity, and its description of the first state of the first state

the superintendent or owner and require him to remedy the defect. For a failure to comply with the inspector's requirements within sixty days from receipt of said notice a fine of \$50 per day is provided.
The inspector is required to keep an office in the state-house at

The inspector is required to keep an once in the standards of Frankfort and to keep a record of all his inspections. He is also required to furnish upon application a certified copy of his report of inspection to the commonwealths attornes of the district in which the mine inspected is situated, which copy is made prima

face evidence in any court of the state.

Refrores. The inspector is required to make a report to the governor animally on or before the 10th day of October, showing the number of persons employed, amount of coal immed, the the dimension perfects are interesting to the control of the contr

of So line.

Myrs. The owner or superintendent of each name is required.

tion on manuscipe or more apprehendent of each name is required. A USS file.

A USS. The impector an accurate map of the name our scale of moless that one bunded for to the mela showing the required or executed and the location and connection of such as that one bunded for to the mela showing the required or executated and the location and connection of such execution with the lines of all adjoining lands, and with the names of the owners of such lands marked on each tract. Every six months after the map is numbed the shall file with the inspector a statement and plan of the progress of the workings of the name up to date, so prepared as to enable the inspector to mark the same on the original map. In the event of failure to turnish maps, the inspector map case them to be made at the owner's expense, and the owner is subject to a fine of Science and the owner's expense, and the owner is subject to a fine of Science and the owner's expense, and the owner is subject to a fine of Science and the owner of the owner's expense, and the owner is subject to a fine of Science and the owner is subject to a fine of Science and the owner of the owner's expense, and the owner is subject to a fine of Science and the owner of the owner

is to by matural strain of not less than one hundred took in breadth by which outles distinct means of ingress and egiess are always available to person employed in site time. All other mines, whether slopes of drifts, shall have two such openings after littleen thousand square gards have been excavated. It such outles have not been provided not more than ten persons shall work in the mines at ones, in case a name has but one shall, work in the mines at ones, in case a name has but one shall work in the mines at ones, in case a name has but one shall work in the mines at ones, in case a name has but one shall work in the mines at ones. In case a name has but one shall work in the mines at ones, in case a name has but one shall work in the mines at ones. It cases a name has but one shall work in the mines at one shall be a strain power to condemn sufficient limit on that ourpose. At every time operated by a shall there shall be a greated at all ones and the provided. An integrate backet of all cases well for early draw of machine used but takes for lowering persons. Whether shops, shaft or drift, is required to provide and maintain for every time an amount of ventilation not less than one him for death the test per minute per person employed, which shall be eigenfaled to the face of each working place in the mainer and not working place shall be driven more than sayly test or all ways everyl these made near working face of the mine or all ones of a producing ventuation, such as suction or foreing fains, exhants steam turnness or other contrivances for that purpose, with mines and continue and means of producing ventuation, such as suction or foreing fains, exhants steam turnness or other contrivances for that purpose, what is a functional producing ventuality by a competent person betone any of the working a large and the work men are allowed to enter the name.

We result out on the same and the name in any condition of the working and not mine on the name.

the workmen are allowed to enter the name, Wi to differ a many coal name employing as many as twenty men may, at their own expense and with the approval of the judge of the county count, appoint a person to inspect the scales and see that the coal named is properly weighted and accounted of it. Such person shall at all times have tree access to the scales and shall not be in any wise fundered in the original person shall a person to the scales and shall not be in any wise fundered in the original person shall be a penalty of a time of not less than strummer than a penalty of a time of not less

the performance of his duty under a penalty of a fine of not less than sto nor more than \$50.

RIGHTS OF WAY, Any person owning any large coal bank or mine of tron ore or stone quarry within three under of any navi-gable stream or rational in this state has the right to condemn a right of way to the most convenient point on such stream or rational, and upon such right of way fac court may, if it deem the object of sufficient public imperfames, allow a railroad to be con-structed and operated.

PENAL LAWS. Any nerson selling unserveined coal for

PISAL LAWS Any person selling unscreened coal for screened coal shall be subject to a fine of not less than Synor more than \$20.

Any person employed in a mine who intentionally and willfully neglects or retuses to seemely prop the root of any working place jinder his control, or neglects or tetruses to obey any other page anner as control of neglects of tellies to does any older given by the superintendent of the name in relation to the secur-ity of that part of the bank where he is at work, and whoever willfully does any act endangering the lives or health of persons employed in a mine or the security of the name of machinery, shall be fined from 80 to 850.

### MILLIDAMS.

Any person owning land on a water-course, and desiring to creet a grisfull or other mill useful to the public, and needing a dam in or across the water-course, may be petition in writing itled in the county court of the county in which the larger portion of the land is situated, obtain therefrom a writ for the purpose of making the necessary condemnation, whell shall embrace all the land denanded, whether I ying in the same or other countles.

Ten days' notice must be given to every person whose rights would be affected by the condemnation. The writ shall be directed to the sherifu of the county, who will at once inquired jury of twelve men, who shall decide as to the height of the dain and the amount of land condemned which is not owned by the applicant and which is covered by the applicant and which is covered by the court has the amount of the damage when the property of the court, he shall have a writ of possession and otherwise proceed accordingto such leave.

## WAGES.

At is provided by Section 24 of the constitution of Kentneky, adopted September 28, 1891, as follows: "All wago-carners in this state employed in factories mines, workshops or by corporationally less than the print for their labor in lawfur money. The general sensibly, shall prescribe adequate penalties for violating this section." By an act passed at the present session or the general assembly, and which takes effect after the end of the session, a penalty of 860 is imposed for any violation of the above section.

### LOUISIANA

Compiled by FRANK L. RICHARDSON, Afterney at Law, No. 7 (amp Street, New Orleans, La.)

CORPORATIONS.

Corporations must be formed under the general meorporation laws of the state, not by act of legislature.

Any number of persons, exceeding six, may organize themselves for literary, scientific, religious or charatable purposes. The act may be by public or private act and the high state the objects, maine, whe and time of officer on whom elation may be objects, maine, whe and time of officer on whom elation may be must be approved by the district attorney and recorded.

To portations for works of public unprovement and homestical and building companies and for other purposes, except mercantile or commission business, brokerage, stock jubbing, exchange or banking business. Any number of persons, not less than such as the strength of the purposes are provided in the properties of the strength of the purposes.

1. The name and title of the corporation and the place chosen for its domevile.

The name and the of the corporation and the place-consol-for its domain of the purposes for which it was organized, the corporation of the purposes for which it was organized, the office of the business to be carried on and the designa-tion of the other or whom edition may be served. The amount of the capital stock, the number of shares, the amount of each share and the time when and the manuer in which pryncint on stock subscribed shall be made. The mode in which the election of directors or manuacers

4. The mode in which the election of directors or managers shall be conducted.
5. The mode of liquidation at the termination of the charter. Publication of charter to be made once a week for thirty days at domicile, charter must be recorded in office of recorder on mortgages; charter amended or dissolved by a vote of three fourths of the stockholders. Trieggraph and telephone or manages shall have the right of way to be considered to the stockholders.
<

are land for their uses, jury to fix value, appeal not lo suspend execution.

LIMITED CHARGETTONS, for the purpose of carrying on mereantile business, and all other legal business and hereofore enumerated, except bunking, to be composed of not less than three persons, are authorized to be established by Act No, as of year 1888 of the state legislature. The form of corporation act is not be the same as that required for corporation for public highest covered to a minimum exchangeal or manufacturing business, except for minimum exchangeal or manufacturing business, except beformed by any number of persons, not less than time, on complying with the laws of the state government comportations in general. Authorized by Act No, 101, July 5, 1882.

FAMSIAG Conferent/cross, Free banking are passed in the year 1876, capital stock to be not less than Stongon, number of persons to be more than five, time not to exceed twenty years, lowers, such as an emissional to frainks, their right to hold real state limited to nev certs. At these of incorporation to contain same provisions as above set borth. All stocks subscribed mist be and stockholder on pletige of or the state limited with the subscribed mist be any stockholder on pletige of the particle of properties of statements with Demicrost, quarterly statements only required.

XMAMSIS MIT DI 19831 AMP Till ST BANKS. Authorized by

SWEAKS, SMEED POST) AND THE STRAKES. Authorized by SWEAKS, SMEED POST) AND THE STRAKES. Authorized by Vot No. 126, of year 1888, also by amendment may act as frustees. Lit 1.888 FAY. A graded heense that is beyond, according to the amount of business. Stock of all corporations assessed for tax-tion without deducting value of United States bonds and other

tion without democring varies or times scars somes and concervants securities.

Sentitives the securities of the securities of the securities of the securities.

A state lenses is required of all neutrance corporations doing business in the state, whether toreign or local. The herise is required to all neutrance corporations doing business in the state, whether toreign or local. The herise is graded upon the amount of premiums taken in, the highest boing \$1,750 per animin and the lowest \$600 per animin. Provided by act of 1800.

A liceuse is required of other corporations doing business in this state through an agent, in proportion to the amount of business done. Foreign corporations doing business here are required to appoint an agent here, on whom citation can be served in case of sult.

#### LIENS.

LIENS.

LABORER'S LIEN. Employes have a lien on all manufactured materials for thirty days after the maturity of the debt due them for wages; but this lien does not affect such materials in the male of good-faith purchisers.

LIEN FOR MATERIALS.—Those prepare who supply the owner of affect seed of the materials in the male of good-faith purchisers.

LIEN FOR MATERIALS.—Those prepare who supply the owner of their person complexed by him, his agent or subcendrator, or affect person complexed by him, his agent or subcendrator, the prepared of the male and are used in the creeding on repair of any edifice or other work, have a lien or privilege on the building or work erected, and not exceeding one account be made at the instance of the tenant, the privilege attaches only to the lenschold. To perfect the lien the scher mast record in the office of the recorder of mortzanch selfer mast proceed in the office of the recorder of mortzanch selfer masterial made, or a detailed statement under outh of the amount due, the his good as to third parties from the date of recording. There is no priority between lien-holders. The subcountractor may define the hatchis furnished, and the owner may retain sate amounts from subsequent pays must furnish a copy to the contractor. It the contractor does not notify the owner within ten days that he intends to dispute the claim, the owner may pay the sub-contractor and contractor cannot agree as to the amount times for flav years from that of recording. Each of materials murished, but to nly continues for six months from the time of furnishing the materials. furnishing the materials.

#### MINING.

There are no special laws in the state relating to mining.

## MAINE

Compiled by CLEMPAT B. DONWORTH, Altorney at Law, Donworth Block, Main Street, Machias, Mc.

### CORPORATIONS

Donworth Block, Main Street, Machias, Me, CORPORATIONS.

One ANDATION UNDERGENERAL LAW. Three or more persons may associate themselves, logether by written articles of agreement, for the purpose of torning a corporation for mining and parrying purposes. There first meeting shall be called by one or more of the signers of said articles, by giving motive thereof, stating the time, place and purposes of the meeting, to each signer in writing, or by publishing it in some newspaper printed in the county where such signers reside, at least four ten days prior to the time apparatum, adopt a corporate name, define the purposes of the corporation, by the amount of the capital stock, which shall not be less than \$1,000 or more than \$1,000,000; divide it into shares, and elect a president, not less than three directors, a clerk, treasurer, and any other necessary officers, and any adopt a code of by-laws. Before commercing business, the president, treasurer and a majority of the directors shall propage to the composition of the control of the control

under general law.

Locatios of Office. The clerk of the corporation shall be a
resident of the state, and the office of such corporation shall be
at some fixed place within the state, where shall be kept the
records of the corporation and a book showing a true and complete list of all stockholders, their residences and the amount of

stock held by each. Such records and book shall be open at all reasonable hours to the inspection of persons interested; but this provision as to list of stock holders does not apply to any corporation above business in the state and having a treasurer's office at provision as to list of stockholders does not apply to any corpora-tion doing business in the state and having a treasurer's office at some fixed place within the state where a stockhook is kept giv-ing the names, residences and amount of stock of each stock-holder. The elerk or other officer of the corporation shall, within teenty days after the election of a clerk, or change of location of the clerk's office, file in the other of the registry of deeds in the county where the corporation is established or has its principal office or place of mediess a certificate giving the full name and residence of the clerk and the location of the clerk's office.

OFFICERS, THEIR QUALIFIC VITONS AND TEXTIFE. The offi-cers shall consist of a president, clerk, treasurer and board of not elected president of the corporation. The officers shall be closen annually and shall continue in office until others are chosen and qualified in their stead. The directors must be stockholders, The clerk shall be sworn and shall keep a record of all votes of the corporation. The treasurer shall give bond for the faithful discharge of his duties

TAXTIOS — Mines of gold, silver, or of the baser metals, whon opened and in process or development, are evening troin taxation for ten years from the time of such opening. The buildings, lands and other property of mining and smelting corporations, nade personal by their charters and not exempt from favation, are taxable to the corporations; and stores have been always to the corporations; and stores are the capital stock shall not be taxed to the owner thereof.

LAMBLETA OF STOCKHOLDERS. No stockholder whose stockholder with this been fully paid in and no part of the peincipal has been with drawn. Is liable for corporate debts, but when corporate property cannot be found with which to startly such debts, perfectly cannot be found with which to startly such debts property to stockholder's stock and interest in stock may be served and sold on excention, and be may recover of the corporation the value of the stock and interest so taken. LIABILITY OF STOCKHOLDERS No stockholder whose stock

#### LIENS

Whoever digs, hands or furnishes rock for manufacture of line, and whoever labors in any quarry in quarrying, cutting or dress, ing grantle, of in mining, quarrying or manufacturing state, has a hen for his wages on such line rock for thirty days after the rock is manufactured into line or until such line is sold or shipped on board vessel, and on the grantle so quarried, cut or dressed for thirty days after such grantle is cut or dressed of until it is sold or shipped on board vessel, and on all slate so mined, quarried or manufactured for thirty days after such slate arrays at the port of shipping, and such lears have precedence of all other claims. No statute hens on ores and no tall.

## MARYLAND

compiled by Enrioti & Horrway, Attorneys at Law. Daily Record Building, Baltimore, Md.

#### CORPORATIONS

Corporations may be formed by two of more persons, citizens of the United States, and a majority of them citizens of the state of Maryland.

- of the Carriers and a magerity of the markets of the same Maryland meorporation must state.

  1. Names in full and places of residence of the applicants.

  2. Names of the corporation, which must melade mane of the city or county in which it may be formed.

  3. Object or purposes for which tomed.

  4. Place or places where the operations of the corporation are to be comducted, and where principal office of the corporation in this state will be located.

  5. Term for which it is to exist and exceeding forty years.

  6. Amount of capital stock of any of the corporation.

  7. The number of shrews of stock and amount of each share.

  8. The number of directors or managers, and their manes, who is the number of directors or managers, and their manes, who is the number of directors or managers, and their manes, who is the number of directors or managers, and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and their manes, who is the number of directors or managers and the number of the corporation of the corpora

erer's some or me circum court of the county, or the superior court, if in Baltimore (sty.). Each stockholder remains severally and individually hable to the creditors of the corporation to the extent of his unpaid sub-scription to its stock, and no further

scription to its stock, and no further. The state imposes an incorporation tay of one eighth of one per cent, on the capital stock of new corporations, excepting cone-tory, religious, charitable and ratheral corporations, excepting cone-tory, religious, charitable and ratheral corporations.

There are provisions under which it is made necessary for the president or other offices of a corporation located or doing business in this state, domestic of to edgi, to make full reports showing the stock or gross receipts of the company, according to snature, as also the names of persons by whom the stock is held, to the company perfect the tax commissioner determines or assesses the taxes to be paid upon and stock or morne. A neglect of rathure to make such report is stock or income. A neglect or tailure to make such report is punishable by fine or impresonment. The hability for taxes a determined in each case by the fix commissioner, subject to an appeal, within thirty days, to the comptroller and treasurer, who must both agree in order to any alteration of the tax commissioner's determination.

Foreign corporations, except insurance companies, do business

and hold property without restriction.

#### MINING AND QUARRYING CORPORATIONS.

Any five or more persons, citizens of the United States, and a majority of them citizens of this state, may form a corporation for (1) conducting any kind of mining business in this state, and for configurations of the configuration of the for selling or otherwise disposing of the products of said business when the principal office of said corporation is located in this state; (2) for washing, dressing, smelting and otherwise preparing for and bringing to market and selling the ores of all kinds of metals, (3) for opening and working quarries of marble, slate of other economic minerals or mineral substances in this state, and for the manufacturing, transportation or exportation and safe thereof; (4) for boring for, opening, using or refining perfordence, saft or other mineral springs in this state, and for boring for, opening, using or refining other ons, where the principal office of said corporation is located in this state. No such corporation is half hold more than one thousand acres

An such corporation shall hold more than one thousann across of land at any one time, if sail corporation is situated in Alegany county, nor more than five hundred across if in any other county, nor shall list capital stock exceed \$8,000,000; and the presence, in person or by proxy, of a majority in interest of the stockholders, shall be necessary to form a quorum for business at any meeting of stockholders or members.

The president and directors of any such corporation shall be invested with full power to locate and construct a railroad or rail-The president and directors of any soft corporation shall be invested with trul power to locate and construct a radicod or radicoda, with necessary appurtenances, beginning the same at or ready, with necessary appurtenances, beginning the same at or the last of the corporation. It is not not be last and to energy or works of same corporation, the necessary to accommodation of the works of the Chesapeake A often Canada Co, or the main route of the B. X.O. B. B., or the works of any other radicod company chartered by this state, except to cross said road without many to same. No radicod built by any imming or other corporation as provided shall be more than ten index in length. It shall be turnished with all necessary means for transportation of all persons and property that may be offered for transportation at feature and motive power, and is subject to all expenses of transportation, at shall be autharized as subject to all expenses of transportation, at shall be autharized and or other articles, and given the properties of the companion of the corporation of t

works, and the decision of said board shall be final in all cases submitted to them.

#### LIFTS

All buildings erected, repaired, rebuilt or improved, to the extent of one fourth of their value, all machines, or wharves or bridges erected, constructed or repaired in this state, and all boards or other vessels built, empiped or required, are subject to the bens of the mechanics or other persons who have done the work or turnshed the materials. To secure the hen and lay a work or turnished the inaterials. To see ure the hen and lay at boundation for embrening if, the mechanic or material man may within six months after the last work has been done, file a claim in the superior court to the city of Rathmore, or in the eigent court for some county. The claim is to be recorded in a book kept for that purpose. These claims may be entoreed by sent facus or by bill in equity. No sent facus must issue within in their days of the return day in the city of Rathmore, nor within the results of the return day in the city of Rathmore, nor within years point the day on which it wis of expense to the claim in the deads. In the city of a lood of vessel, the claim must be filed within six months from the commencement of the work, and the hen continues for two very sould.

### ${ m MASSACHUSETTS}$

Compiled by H. L. BAKER, Attorney at Law, John Hansock Budding, Boston, Wass.

## CORPORATIONS.

Formation Or. Three or more persons may associate to gether by an agreement in writing for the purpose of forming a mining corporation, with a capital of not less than \$5,000 or more

AGREEMENT, NAME AND ORGANIZATION. Such agreement shall set torth.
1. The name assumed.
2. The purposes for which it is formed.
3. The lown in which it its focated on this commonwealth.
4. The amount of its capital stock and the par value thereof, and the number of shares.

The first meeting shall be called by a written notice given to all The first meeting shall be called by a written notice given to all subscribers, for the jurpose of temporary organization, and each subscriber shall take an equal number of shares of the capital stock unless otherwise agreed. The president, treasurer and a majority of the directors shall sign and swar to a certificate setting torth a copy of the agreement, with the names of all the subscribers thereof, date of first meeting and adjointment thereof, and shall submit such certificate, together with the records of the association, to the commissioner of corporations, who shall thereupon issue a certificate of incorporation, which shall have the effect of a special charter.

OFFICERS AND BY-LAWS. The business shall be conducted by a prevident, board of directors, clerk, treasurer and other officers; but no mortgage of real estate or lease for more than one year shall be given except by vote of the stockholders.

The board of directors shall consist of at least time members, one of whom shall be chosen president. The eleft kind the worst to the rathfull performance of provided in the frastier shall gave bond in such manuer as provided in by laws. Stockholders may vote by proxy authorized by a writing.

may your by proxy authorized by a written in-strainent recorded in the elect's book. The amount of the emi-listic map be increased or diminished by your of the stock-holders, subject to the provisions of this chapter (137). Assess-ments may be made upon the shares not exceeding the par value thereof, and shares of members not paying assessments may be sold. The corporation shall not commence business until the whole amount of its capital stock has been paid in, and a certifi-cate of such fact made and recorded; but convexances of real or personal property will constitute such paying in.

RESISTENCE OF CONTOUNLESS, Any corporation thus created may purchase and hold real estate min personal property necessary to its business, and may earry on business outside of this commonwealth, but shall not direct its operations to other purposes than those mentioned in its agreement of association, but its business may be aftered, added to or changed by the stockholders at a special meeting called for that purpose

CERTIFICALES AND RETURNS. An annual certificate must be filed setting forth the time of last annual needing, amount of capital stock at such time, the amount then paid in, and the assets and liabilities of the corporation; and upon failure so to do for two successive years, the commissioner of our portations may apply to the supreme court for its dissolution. Certificates unist also be tiled upon an increase or reduction of the capital stock.

LIABILITY OF OLFICERS AND STOCKHOLDERS. The president and directors shall be hable for making or consenting to a dividend by which the corporation is rendered insolvent, to the extent of such dividend; between the time of making boan to stockholder and time of its repayment, to amount of such boan, for signing false certificate or statement, required by law, only the persons so signing being faible.

the persons so signing being hable. Stockholders shall be hable for debts contracted before the capital stock was all paid in, but only those who have not paid the par value of their shares shall be so liable; for debts existing at the time the capital stock was reduced, to the extent of such reduction, for debts existing at the time special stock is readed, until the same is redeemed; for sams due operatives for services reinfered within six months before demand hade upon the corrections. poration; but in all cases stockholders shall only be liable to par value of shares held by them. All wages due employes shall be weekly

paid weekly.

Koads, drains, ditches, tunnels and railways may be established
through lands of adjacent owners or over highways, mon pettion to the county commissioners, proper preceedings instituted
thereupon and assessment of damages for inpuries to such owners.

The above provisions apply also to quarrying companies, in
which case the capital stock shall not exceed \$500,000.

Provision is made for returns of foreign corporation Stotles.

offices in this commonwealth. (Statutes 1882, Chap. 106; Statute 1886, Chap. 230.)

1886, Chap. 23a.)
Corporations owning nimes or quarries outside of this commonwealth, or incorporated under the laws of any other state and having an office or place of bisiness within this commonwealth, shall pay a tax of one-twentieth of one per cent, upon the par value of the capital state.

### LIENS

Any person to whom a delit is due for materials futurished and actually used in the evention, afteration or require of a building or structure upon real estate, by artine of an agreement with or the consent of the owner on his agent, shall have a flor on such building and the interest of the owner in the hand upon which such building is stuated. But no hen shall attach it these be purchased by a person other than the owner, unless a written notice for providing green of the intert to claim such them. The owner of such materials whose behalf a contract his been made, may prevent the affactuage of a licenter materials not then interested, by a notice in writing given to the person turnshing such materials. The lien shall not austliand true account of the amount due, a description of the property and the name of the owner must be filled in the registry of deads within thirty has after ressuage to mirrols undertaks, and the law of the owner must be filled in the registry of deads within thirty has after ressuage to mirrols undertaks. The lien may be enforced by petition to the superior court, or to a lower court when the claim does not exceed 800, and proper proceedings had thereupon, the owner behing day summoned. Any person to whom a debt is due for materials furnished and

proceedings had thereupon, the owner being duly summoned, and the debtor and all redditors having hermyon the estate bend duly nothed of such petition. Upon the establishment of a her

a sale of the property will be ordered by the court. Any interest in property so said may be redeemed within one year. Creditors a sure of the property will be ordered by the court. Any interest, in property so sold may be refleemed within one year. Creditors entitled to a lien shall share the proceeds of such sale in proportion to their respective debts, but a creditor having previously attached shall be preferred. All rights to and liabilities for a lien under the provisions of this chapter (192) survive. Any person entitled to a lien may pursue his common-law remedies also.

#### MILLDAMS.

Mildams may be erected across non-navigable streams subject to conditions. No such dam shall be erected to the injury of any dam already existing. The height of water and the length of time which it may be kept up may be regulated by the verifier of mury. All persons injured by flowage or otherwise may obtain compensation therefor upon petition to the superior court, and proceedings thereupon, the remedy so given taking the place of any common-law remedy. No milledam shall be constructed or materially altered until specifications of the proposed work have been approved by the county commissioners.

## MICHIGAN

Compiled by R. C. Flannigan, Attorney at Law, Norway, Mich. CORPORATIONS

CORPORATIONS.

MINING, SWELLING AND METAL MANDEMETRING, COMPANES,—Any number of persons, not less than three, by articles in writing may organize themselves into a corporation for the nurpose of engaging in and carrying on any kind of mining business, or for refining, smelling or manufacturing any organizes themselves into a corporation for the nurpose of engaging in and carrying on any kind of mining, smelling of the mining, refining, smelling of the mining, refining, smelling of the single properties of the single properties, and shall state the purpose for which the corporation is formed: the amount of the apital stock, which shall not be best than \$1,000 nor more than \$2,50,000, the number of shares of \$55 cach; the amount of cash actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the east value of any property, real or personal actually paid in; the number of shares of the original or of the bisiness of the corporation within the state of its office for the transaction of business; the county of counties in the state where the business of the corporation within the state of its office for the transaction of business is the county where the business office or the original paid of the state, and on paying the transhis tax, the corporation, which shall not exceed thirty years. Upon filing the articles with the county elect of the county where the business office or the office for the transaction of business is located, and with the socretary or state, and on paying the transhiss tax, the corporations, which is a sta

make and file this report, and it they, or either of them, willfully and intentionally neglect to make and file the same they may be criminally punished as for a misd-meanor.

INDIVIDIAL, LAWELITY OF STOCKHOLDERS, The stockholders are made undvidually hable for all labor performed for the corporation, which lability may be enforced by an action in the corporation, which lability has been forced by an action in ment for such labor became due and hot alterward. An action ment for such labor became due and hot alterward. An action relabor cannot be maintained against a stockholder alone, the corporation must be joined, and a judgment against the corporation alone is a bar to a subsequent action against the corporation alone is a bar to a subsequent action against the stockholder for the same debt. The suit to fallow may be commenced against any or all of the stockholders and the corporation pointly, lot a lovy monther property of the corporation has been exhausted. Any stockholder who is compelled by action to pay the debts of the corporation in whole or in part may call upon all the stockholders to contribute their part of the sum pand by hum, and may sue them jointly or severally, or any gart of them, and recover in such action such, saids for labor may be commenced against the corporation alone at any time within any quest, from the accruing of the cause of action, as in other personal actions.

MANDACH RING COMPANIES. Any number of persons, not less than three, may incorporate to the purpose of carrying on a construction. The articles shall be made on uniform blanks furnished by the secretary of state, shall be signed and acknowledged by the persons associating in the first instance, and shall state the name of the corporation, the purpose of purposes for which its informed, the pince or places at which its operations are to be conducted, the amount of the capital stock, which shall not be the soft of the companies the capital stocks built for the capital actually paid in at the date of the articles, which shall not be less than store of the capital stocks shall not be less than ten per cent of the whole the place in the state where the office of the company is located, the term of the exist and the manner of the state where the office of the company is located, the term of the exist and the manner of the state where the office of the company is located, the term of the exist and the manner of the state where the office of the company when the capital state is the place of the state where the office of the company which is a first and which capital capital control of the control of the capital state and with the control of the control where the company so didners is located, it is business is to be cattled on outside the state, and the transfers of the state gain place in the other company some control capital capital states. MANUFACTURING COMPANIES Any number of persons, not cluse tax being paid, the corporation may commence business. The property and business is managed by not less than three nor clipse fax being pand, the corporation may commence business. The property and bissues is managed by not loss than three normore than inner directors, the stock is made personal property, and bissues is made personal property, and bissues is made personal property, the from them. The corporation of all times has a be a upon the stock of property of its members invested therein. The corporation may rail on a stock subscriptions by installments. The corporation may rail on a stock subscriptions by installments. The corporation may recover the amount of any assessment past due to thirty days, in any proper action brought against the stock holder, or may self the stock at public anction upon thirty days may rail the stock at public anction upon thirty days more themer, it may there stall be. The corporation may acquire and hold such lands, to mements and heteoditaments and such other lands, tenements and heteoditaments and such other lands, tenements and heteoditaments as shall be taken payment of or as security for debts, and may manage and bispose of the same at pleasure, now purchase and hold any value of the same at pleasure, now purchase and hold any value of the same at pleasure, now purchase and hold any value of the same at pleasure, now purchase and hold any value of two thirds in underest, and with the same at the same at pleasure, now purchase and hold any value of two thirds in underest, and value of the more than nine directors, the stock is made personal property transferable only on the books of the company, and for all debts

INDIVIDUAL ALADILLIA OF DEFINITION OF THE CORNAID STATES AND ALADILLIA OF A PURE FOR A STATES AND A STATES AN

Naturiny 1, Lymrity of successful roles. Begind stock withdrawn and retunded to the stockholders before grayment of all delets for which such stock would have been faither the stockholders are made pentity and severally hable to creditors to the amount of the sum retunded to him or them respectively. The stockholders also made unity ideally liable for all labor performed for the corporation, to be embreed only after excention returned unsatisfied in whole or in part against the corporation, and the of the responsible stockholders to contribute their equal part of the sum part.

TRAW HIST TAY. Every corporation or association morpotated by o under any general or special has of this state is required to pay to the secretary of state a framebase tee of one half of one multipon cach dollar of the authorized capatal stock of the corporation and a proportionate tee upon any and each subseqquent increase thereof, the tee in nocase being less than \$5. The secretary of state is prohibited from thing or recording the artitranchise the corporation mines accompanied by the

FORTIAN CORPORATIONS—Foreign corporations organized for the purpose of mining, smelting, retining or manufacturing any kind of ores or metals, upon thing copies of their charter or articles of memporation with the county eleck of the county in acticles of incorporation with the county elects of the county in this state where its operations, are to be carried on, and with the secretary of state, may carry on business in the state, and shall canny all the rights and prayleges and be subject to all the re-strictions, and liabilities of domestic corporations organized for the like purpose. Corporations organized under the laws of any state of the Union of drawp protein country, either wholly of in-part, for any of the purposes contemplated by the Whelman act for the organization of manufacturing companies, upon record-any copies of their charter, or articles of meeting particles, or memo-randa of association, with the country clerk and secretary of state, as in the case of domestic manufacturing commence, and upon ong copies of their charfer, or at heles of ment portion, or memo-inadical association, with the complete kerk and secretary of state, as in the case of domestic manufacturing companies, and upon iting also in the office of the secretary of state a statement under outly showing the name and locality of the company, he amount of its capital stock, the amount of its capital paid up, the asserts of other persons, immembered real estate, bonds owned by the company how secured and rate of interest therein, debts due to the company secured by mortgage, debts otherwise, secured, all other securities, and moneys, the total labilities due of to occome due and all other claims against the company, and upon appoint ing an agent for set vice of process, may, for such purpose, carry on business in this state, and shall enjoy all the rights and priv-ieges and be subject to all the restrictions and labilities of do-mestic corporations organized and existing under the manufac-turing act. Foreign corporations engaged in the business of micrals within the state are required to make animal reports to the auditor general, in such torm as he shall proserube, showing the original capital stock paid in, subsequent increase of capital by extension of the works of otherwise furnaces, building, and the amount of real estate actually used, amount of their prop-erty not in actual use in the business, the each earnings and the eashs surphis, carned since the organization of shares held of each the pair value of stock and the amount of each effect of each the pair value of stock and the amount of each called in each the pair value of stock and the amount of each called in each the pair value of stock and the amount of each called in each the pair value of stock and the amount of each called in each the Sat value of stack and the amount in each enhalt in upon each share dividends paid since the organization, the amount of coal, functions or other fluxing inaterial used during the ven, and its value skilled and unskilled labor employed and the wages paid, the amount of inneral and for whom sin fiel-then two distributions insulted metal and the star gether to the first order of the state of the state of the state of the state of the time of violetic state of the state of t the net vocal in reduced or sincilist metal and the stories there for the gross amount of minimerated costs, the cost of transpor-tation of all material consumed of used, giving water and rad road rates separately, the amount of capital invested out of the state and how invested, and showing all other investments other than the amount actually invested in the business conducted in the state. If the officers whose duty it is to make and file the animal report shall neglect for a period of sixty days after the first Womaka of July of each year to make and like the sime, they are made ladde to a fine of not less than stoon out more than show for each and every offense, and the rooporation, for every such neglect upon the part of its officers, shall in the discretion of the confl. In force of lines redicted of the office is, and the con-tinued retrian per of lines redicted of the office is, and the con-tinued retrians of neglect upon the part of the corporation of states to file the reports after any suit of action shall have been found to entire the genalty will work a forterior of the con-pany's right to do business within the state. Foreign mining corporations not engaged in the business of smelfing or reducing ore's and foreign corporations doing business in the state under the manufacturing company act are required to file a report smi-ilar to the report of the domestic corporation and under like pen-

Taxation. The law imposing a specific tax for state purposes on corporations engaged in the business of mining, smelting, refin-ing or manufacturing ores, metals or minerals, was kitely repealed, and the property, real and personal, of the corporation, whether foreign or domestic, is taxed for state and other purposes under the general provisions of law relating to the assessment and col-berlion of taxes. The capital stock as such is not faxed.

lection of tayes. The capital stock as such is not tayed.

Compose Virons or Their THAN FOR MINING ON MANNE WITELENG. In the Michigan statutes will be found special acts for the organization of solutions and companies, the impact of interest and companies, the companies of the major of the companies, and companies, stage companies, bridge companies, lettry companies, letegraph companies, entry companies, kellegraph companies, entry companies, water-supply, companies, maritime companies, water-supply, companies, maritime companies, and companies, and companies, water-power companies, river navigation improvement companies, riv

#### LIENS.

MEG ILMAN EVEN PERSON Who shall, in pursuance of any contract between hunself and the owner, part owner or lesser of any interest in real estate, build, after, improve, repair, crect, ornament or put in or who shall furnish any labor or material in or for building, altering, improving, repairing, creating, ornamenting or putting in any house, building, and harder or structure, and every person who shall, as sub-contractor, in hore or material-man, perform any labor or furnish materials to the original or principal contractor or to any sub-contractor in carrying on, torwarding or completing any such contract, is after a carrying on, torwarding or completing any such contract, is after a possible of the contract of the original or principal contractor in our possible of the contract of the original or principal contractor in the original original contract of the original contractor in the original contractor when the property of the owner, part owner or lesses of the time work was commenced or materials were begun to be furnished under the original contract or by the sub-contractor who mirrishes or is furnished with any labor or materials to be event of the original contract or by the sub-contractor who mirrishes or is furnished with any labor or materials to be event of any subsequent acquired interest of any sub-owner, part owner or lesses. The person, firm or corporation furnishing material is required within the days after the sale to serve on the owner, part owner or lesses, or on his agent, it such owner, part owner or lesses, or on his agent, it such owner, part owner or lesses, or on this gent, it such owner, part owner or lesses, or on this gent, it such owner, part owner or lesses, or on this gent, it such owner, part owner or lesses, or on this gent, it such owner, part owner or lesses, or on this gent, it such owner, part owner or lesses, or on the gent of the county in the county in the county in the results of the owner, part owner or lesses, which is a such above the original contractor when the ca before or at the time of the commencement of the performance of such labor or the furnishing of such materials, filed with the reg-ister of deeds of the county where the structure is located a writ-ten notice that the hen will be claimed for the labor or materials, giving a description of the premises and the name of the owner, part owner or lesses and contractor, and within the same time shall have served a copy of such notice on the owner, part owner or lesses, shall be upon the owner, part owner or lesses until the expuration of sixty days from the date on which the last of the ma-terials shall have been turnshed or the last of the labor shall have expuration of sixty days from the date on which the last of the increases said have been trumshed or the last of the labor shall have been perior med, and no payment to any original contractor made before the expuration of this saxty-day period shall defeat any hen of any sub-contractor, material-man or lubour unders such payment has been distributed among the sub-contractors, material-men and laborers, or if distributed in partionly, then to the extent of such distribution. If altor is performed or materials are furnished upon lands belonging to a married woman with her knowledged the contract had been made with the wite; and in ease the land, the hen attaches upon the property the same in all respects as if such contract had been made with the wite; and in ease the little to the lands is held by a husband and whe jointly the little to the lands is held by a husband and whe jointly the little to the lands and improvements, it the improvements be made in pursuance of a contract with one of them, by and with the knowledge and consent of the other. It labor or material is furnished for the erection of a new building or structure upon lands to which to the labor and material attaches to the building or structure, and a totterure or surrender of any little or claim of title held by such contracting person to the land will not detent the lien. If the property covered by the hen is held by the contracting person on the land will not detent the lien, which contract and he surrenders or toriets his rights the contracting person is his rights which underly lady safers such intention or surrender, may be suffringated to the rights of the contracting person is his rights which underly lady and contract and he surrenders or toriets his rights surrender of tortecture. The owner may retain from any money

due or to become due to the original contractor an amount suffidue or to become due to the original contractor an amount suffi-cient to pay the demands of the sub-contractor, naterial-men or la-borers who have filed annexived notice of their intention to claim to be sufficient to the sufficient of the sufficient to the sufficient of the sufficient of the sufficient to the sufficient of the suff number and names of every sub-contractor or labour; in his employ, and of every person turnishing materials, giving the amount, if anything, which is due or to become due to them, and the owner may retain, out of any money them due or to become due to the may retain, out of any money them due or to become due to the may retain, out of any money them due or to become due to the due or to become due, and may pay the same, and all payments on made shaft, as between the owner and the contractor, be considered the same as if paid to the original contractor direct. Until his statement is made the contractor has no right of action or lien against the owner or the premises on account of the contract, and all payments made by the owner before such statement is made or without retaining sufficient money, if that amount be due or is to become due, to pay the subsecutarors, laborers or and made in violation of the rights of the persons intended to be benefited by the lien act and their right to a lien shall not be affected thereby. If neither the owner nor his agent can be affected thereby. If neither the owner nor his agent can be affected thereby. If neither the owner may at any time form within the country where the structure is made, the contractor is not obliged to deliver the statement as a prerequisite to the institution of precedings to fasten his lien or such other proceedings as he may be advised. The owner may at any time during the progress of the work demand in writing of the contractor is not obtained to the work demand in writing of the contractor is not obtained to the work demand in writing of the contractor is not obtained to the work demand in writing of the contractor is not obtained to the work demand in writing of the contractor is not obtained to the work demand in writing of the contractor is not obtained to the work demand in writing of the contractor is structure is structure is smale, the contractor is not obtained to the work demand in writing of the contractor is not obtained to the contractor

#### MINING

MINING OPTIONS.—Any person holding a mining option or agreement for a mining lease or fleerise to explore or mine on lands in this state, containing a clause allowing the lessee, his personal representatives or assigns, to surrender such lease or fleerise more, has an absolute right to have such option or agreement specifically enforced, if not in detault himself; and any person holding an agreement for an interest in any mining lease or fleenise from the lessee is entitled to have the same specifically enforced, in not in detault himself; and any person continuous detault himself. All mining options, leases and leenises are assignable and survive and may be enforced by the excentors, and ministrators, possonal representatives or assigns of the party administrators, personal representatives or assigns of the party of ministrators, personal representatives or assigns of the party of the detault in the control of the control levy and sale on execution.

lety and sare on execution.

MINING LIENS. Every person who shall furnish or perform any labor for any corporation organized for the purpose of ming, smelling or manufacturing ores or minerals in the Upper Peninsula of Michigan and every bona fale holder of any draft or drawn by any officer, clerk or agent of any such corporation, is given a fier for the amount due thereon or therefore upon all the real and personal property of the corporation lying and being in clerk, but all the state for the amount of the personal pe

### MLNNESOTA

Compiled by A. E. McManus, Attorney at Law, Duluth, Vinn.

#### CORPORATIONS

The law of the state of Minnesofa relative to the organization. The law of the start of Minnesona relative to the organization, powers and rights of corporations for the purpose of mining, powers and rights of corporations for the purpose of mining could infine or stone organizes, marketing the material, or for manufacturing brick, stone or from steel, copper or other metals, or for the purpose of buying, selling, working and dealing in mineral or other lands, or for the whole or any part of said purpose. poses, is as follow-

ARTICLES OF INCORPORATION. Any number of persons, not less than three, being desirons of forming a corporation under the above head, may do so by signing and severally acknowledging articles of meorporation which shall declare that they do

thereby associate themselves together and agree upon the articles thereby associate themselves together and agree upon the articles for the purpose of forming a corporation under the provisions of an act of the legislature of the state of Minnesota, entitled "An act to authorize the formation of corporations for mining and smelling ores and for manufacturing from, copper and other metals," approved February 24, 1856, and the acts amendatory thereof. The articles shall also set out:

1. The name of the corporation, which shall not by the same as

4. The name of the corporation, which shall not be the same as that previously assumed by any corporation in this state.
2. The general addition of the business to be carried on, and the state of the state of the state of the previous of social and the state of the previous of scored ating themselves to form such a corporation.
3. The names and phases of residence of the persons or associating themselves to form such a corporation.
4. The amount of the capital stock and the limit of indebtedness. (This last may be omitted and provided for in the bylaws. If, however, is generally inserted in the articles of incorporation.

RECORD, FILING, ETC.—These artheles must be executed in duplicate, one copy filed with the register of deeds in the county in which the principal office of the company is located, or, if the principal office is without the state, then in the county where the office of the company is located, as herematter provided, and the other copy with the secretary of state in 8t, Paul, Muni.

No publication of the articles of incorporation PUBLICATION. PUBLICATION. No publication of the articles of meoryoration is mecessary, but upon the depositing of the articles, as herein set out, the corporation is deemed to exist as a mechanical and manufacturing corporation; may see and be send in its corporate name, contract and be contracted with, and carry on the business mentioned in said articles; purchase, acquire, hold, use, self, transfer, convey, rent and lease all said articles and personal property and effects as may be necessary or convenient for the purposes of said corporation.

EXIDENCE. The certified copy of said articles from the said register of deeds or secretary of state shall be evidence in all courts of the existence and legality of the organization of such

COTOGRAMM.

AMENDMENTS OF ARTICLES. The articles of incorporation may be amended by a majority vole in amount of the stock holders at any regular meeting of the same, or at a special meeting of the stockholders called for that purpose. And such amendment, after being daily certified, must be deposited for resord in the same manner as the original articles. The articles of incorporation

CAPITAL STOCK. The amount of the capital stock shall in no case be less than \$10,000 divided into shares of \$100 cach, and each share shall have one vote at any stockholders' meeting, and may be represented in person of by proxy as writing.

TRANSFER. Such stock is considered under our law as personal property and may be issued, sold and transferred as may be prescribed by by-law or resolution of said corporation or its managing board, and no stock purporting to be full paid shall be miniaging board, and ho stock purporting to be mapping start use subject to assessment in the hands of the lawful holder without his consent. (Stock in a corporation such as herein described is prima face; subject to devy for the debts of the holder until the same is transferred to someone else upon, the books of the company, unless, by by-law, the transfer is otherwise provided for,

By-LAWS. Such corporation may prescribe and adopt by-laws for the management of its business, and such by laws may be amended by the beard of directors from time to time and may also be amended by the stockholders at any regular meeting, and such amendment by stockholders at any regular meeting, and such amendment by stockholders at some regular meeting the relianced by the stockholders at some regular meeting thereafter. A copy of all by-laws, duly certified, and all amendments and alterations shall be thed in the same manner as the articles of incorporation

BOARD OF DIRECTORS. Until the corporation shall have been no Africo Directors. Clintine corporation shall have occur duly organized and the board of directors elected the persons executing the articles of meorporation shall constitute a first board of directors, with full authority and power to act, to draw up and approve by Janx and do all things necessary to complete the organization of said company.

RECORD OF PROCEEDINGS. The comporation must keep a record of all proceedings had at any stockholders moeting, in books kept for that purpose. Also all official acts of its board of directors, trustees or others, and such record shaft at all times be open to the inspection of any stockholder on demand.

OFFICE, PLACE OF RESINESS. The officers of the company may be located without this state, and the board of directors may meet to transact business without the state, provided that an office of the corporation be maintained with some suitable per son in charge within the state where legal process may be served, and service of process upon the other or person in charge of the said office is considered and constitutes service upon the corporation.

Powers to promote a town of the second of the second of the second of the second of the stockholders and not otherwise.

Stock IN OTHER CORPORATIONS—Such corporation, upon the election of a majority of the stockholders, may acquire and hold stock in other corporations.

Meetings - The regular meetings of the stockholders shall be provided for in the by-laws, and such by-laws shall provide for the meetings of the board of directors, but in case a majority of the nections of the obstruct arrectors, our news at majority of the stockholders, at any time wish a meeting they may call one irrespective of the by laws, giving thirty days notice by publication in a paper published at the place of the observed the company, or, if there be no such paper, then in a paper published at the expital of the state. LIMBILITY OF STOCKHOLDERS.—The stockholders in such a corporation ineur no liability for the debts of the corporation under the constitution of the state of Minnesota, except in so far as they may be deprived of the value of their stock, the liability not being a personal one.

### MIRRIRRIPH

Compiled by BRAME & ALEXANDER, Attorneys at Law. Jackson, Miss.

#### CORPORATIONS

[Code 1892, §§ 832-860,]

Corporations for every lawful purpose and of every kind, except for the construction and operation of railroads (other than street railroads) and the carrying on of insurance business, may

be created under the general laws.

The persons desiring to be incorporated may prepare a charter, The persons destring to be incorporated may prepare a cluster, which is to contain a statement of the purposes of the corpora-tion, the name, the powers to be exceeded, the period which is published for three weeks, and when approved by the governor, on the advice of the attorney-general, becomes the charter. Corporations of benevolent societies, charactale associations and literary and relations societies, fire companies, mechanics, associations, but associations and agreeditural societies are not

required to publish their charters, Renewals and amendments shall be made in the same way as a

corporation is created. Charters are to be recorded in the office of the secretary of state, and in the office of the clerk of the chancery courf of the county in which the corporation does

Every corporation thus created may hold necessary real and personal estate not exceeding \$250,000; banks and manufacturing

companies, \$1,000,000. Stockholders are hable for debts to the amount of their unpaid stocknowers are many for queues to the amount of their unpaid subscriptions to stock. The property and framelises of a corpo-tation are salable under judgment, but may be redeemed within stymonths. On dissolution of a corporation the assets are vested in the stockholders.

in the stockholders.

Foreign corporations which exist by the laws of any other state, or by the acts of congress, or the laws of any foreign country, may sue in this state by their corporate names, and are hable to be proceeded against by attachment or otherwise as in-

dividual non-residents.

dividual non-residents. A note or security or any kind given by any subscriber for stock shall not be considered, taken or held as payment of any part or the capital stock of the company. As part of the capital stock shall be withdrawn or diverted nor a dividend declared when the company is insolvent. Directors violating this are personally liable. The debts of a manufacturing or trading corporation shall not exceed the amount of the capital stock paid in. If this is violated the directors are liable,

## LIENS.

[Code 4892, §§ 2698-2745.]

Every building and any fixed machinery, and every water craft and railroad erected or required, is subject to a hen for labor done or materials furnished about the erection, construction, alteration or repairs thereof. In case of a house or building in a city or town the hearted in case of a house or vallage, the hen extends to and covers one acre of landou which building may stand, at there he a mathematical to the selected by the holder of the hen. If the structure he a railroad, the hen shall extend to and ever the entire road-bod and right of wax, depots and other buildings. The hen shall take effect as to our notice from the time of commencing suit to enforce the land or from the time of filing the contract for record in the office of the elect of the election for time of commencing suit to enforce the lam or from the time of filing the contract for record in the office of the election for the contract for record in the office of the election for the contract for record in the office of the election for the contract for record in the office of the election for the contract for record in the office.

hen or from the time of filing the contract for record in the other of the clerks of the chainery court.

The contract by which my show is to be performed or material trunshed may be in writing and recorded in the other of the key of the contract by which my show it is to be doine or where the material is musiked. When so recorded it shall be notice to third persons. A hen may be enforced by said within six months after the time when the money is the. Sure is to be commenced by perturn in the circuit court of the country or in the justice court if the amount is less than two handred dollars, conjugated to be summanded and the

All persons in interest are required to be summoned, and the statute provides for trial, judgment and sale of the property to satisty the hen.

satisfy the hen.
subcontractors and laborers may bind the amount due the
contractor by giving the owner of the property or the person
who is has ung the work done written indice of the amount due
them by the contractor. When such notice is given any amount
that is, due the contractor shall be insta applied it it the primeint of

that is due the contractor shall be first applied to the payment of the debt fire owes to the sub-contractors and laborers. A lien is also given on all carriages, buggles or any articles constructed, manufactured or repaired for the price of the labor and material employed in constructing, manufacturing or re-pairing the same, and the person to whom the price of said labor or material may be due shall have the right to retain pes-session of the articles until the heir is discharged, and if the debt shall not be paid within turity days he may commence sait and have the heir enforced by a safe of the property.

## MISSOURI

Compiled by Thyrigh & McNett, Afforneys at Law, Rooms 307, 308 and 309, Long Bros. Bldg., Kansas City, Mo.

#### CORPORATIONS (MINING).

FORMATION. Any three or more persons, having associated themselves together by articles of agreement in writing, may meroprorate under any name or title designating such business, tor the purpose of carrying on any kind of mining.

Articles of meorporation must set forth:

1. Name of corporation, which shall not be that of any other corporation or an inflation of the same.

corporation or an imitation of the same.

The name of the city or town and county in which the corporation is to be located.

Amount of capital stock timest not be less than \$2,000 nor more than \$10,000,000 and the number of shares into which it is divided, the pur value thereof, that the same has been boun noney of the United States and is in the custody of the persons named as the first board of directors or managers.

The names and places of residence of the several shareholders and the number of shares subscribed by each.

The number of the board of directors or managers, that he not less than three nor more than threeto, and at least the several shareholders and three nor more than threeto, and at least the several shareholders and the proporation and the names of those agreed upon for the first year.

the first year.

Term for which the corporation is to continue (not exceed-

ing fitty years).
Purposes for which the corporation is formed mg fifty years).

The articles of incorporation insist he signed and acknowledged by all the parties thereto and reduced in the order of the reduced by all the parties thereto and reduced in the order parameter between the parties of the content of the content

the purposes of the corporation shall require, not exceeding the amount limited in its charter or the law creating it, and also to amount innited in its charter or the law creating it, and also to take, hold and convey such other property, real, personal or inived, as shall be necessary or requisite for such corporation to acquire in order to obtain or secure the payment of any indebted-ness or habitity belonging to the corporation. Fifth, to appoint such a such as the unique such as a to the transfer of its stock, Seventia, To increase or diminish, by a vote of its stock as a such as a su minuter of its directors or tractors, to be not less than three nor more than that ben, and hav, in the manner, change its outperate name willout in any wise affecting its rights, privileges or liabilities, sone changes or name or number of directors or trus-tors, shall take effect and be in torrectroin the date at which the president or secretary of such corporation shall like with the secpresident of sceredary of such corporation shall life with the ser-erary of state in a mindavit setting forth the name adopted and the number of directors or trustees fixed, together with the date at which such change in name or number of directors or trustees was voted by the spekholders of such corporation, provided that authorized in its charter or the law under which it may have been or may betterfire be organized. We firstly so the was the was to the most perfect of the law under which it may have be the second of the most perfect of the most perfect of the organized. We firstly show the special properties of the most of the most perfect of the state of the most perfect of the state of the most perfect of the state of the most perfect of the state of the most perfect of

shall be delivered to each member at least seven days before the meeting, or published in some newspaper in the county where the corporation may be established, or, if there he no such news-paper, then in the nearest newspaper, or a pisture of the peace may, on the written application of two or more members thereon, sisting a warrant to either or said members directing hunt or all a meeting by gaing the required notice. Subsequent meetings shall be called by the president and secretary by notice published for ten-days setting forth the phace, hour and object of such meeting, or, or they lad, a later meeting may be called by any two stockhold-ers. Two sworm inspectors, not directors, shall be appointed to can assay the vote on election of directors or any other proposition cany ass the vote on election of directors or any other proposition to be voted on at such meeting, and certify the result to the presito be voted on at such meeting, and certary the result to the present, in election to directors each stockholder can east as many votes in the aggregate as equal the number of shares of stock held by him multiplied by the number of directors to be elected, in person of by proxy, for one or distribute them among two or more embladies, Directors shall appoint one of their number president and may appoint a treasurer and secretary and other others as presented by the by-laws. By-LAWS,—In addition to the providing for the management of its property, regulation of its affairs and transfer of its stock, the by-laws may provide the time of service and mode of classifica-tion of directors, but there shall be an annual election for such tion of directors, but there shall be an annual election for such number or proportion of directors as may be found upon dividing the entire number of directors by the number of years composing a term. The time and place of such election shall be prescribed by its by-laws (if no time is fived by the by-laws, then on the second Monday in January, of which time and place two weeks and Monday in January, of which time and place two weeks week in the country or it there be no such paper, then in a paper published in the state which circulates in the locality; by-laws may be made for the time being by the directors to direct the name of taking the voles of steekholders on the question of increasing or diminishing the number of directors or trustees, or changing the corporate name, but by-laws tregulating the election of the first place of the time being by the directors are individually liable for the payment of the full amount of their stock only,

LAMBLETY OF STOCKHOLDERS.—Stockholders are individually liable for the payment of the full amount of their stock only. Directors shall keep correct account of their transactions, and have full-statements of the condition of the affairs of such corporation and a list of the stockholders and the number of shares owned by each made out, and a copy thereof delivered or sent by mail to each of the stockholders as often as once in each year, and at least ten days before the day of election, and each stockholder hay at all proper times have access to the books of the

company.

company.

Wages of employes for all labor and services performed by them within three months next preceding a demand made therefor, not exceeding 89a, are preferred claims over all demands not secured by specific hems on the property of the corporation; payment of wages shall be made on or before the 15th day of each month for the full amount of all wages carned prior to the straight of the them of the straight of the month of the reduction, posted in a conspicuous place where the employes work or by malling such notices to each of the month of the reduction of the month of the month

place where the employes work or by mailing such notices to each employes.

RF and annual report to the secretary of state on the 1st day of July annuals, giving the location of its principal business office, names of its president and secretary, amount of its capital stock and actual value at the time of making the report, call value of its personal property within this state on the 1st day of June numediately preceding: the amount of taxes, city, county and state, paid by the corporation in this state for the year has poration, by incorporated in any other state, territory or country and doing business or having an office in this state, its shall and the location of its principal office, the channe of its principal officer, the amount of its gross and not carmings within this state during the year last preceding, the cash value of all July immediately preceding; amount of its year, city, county and state, paid by the corporation in this state for the year initiodistly preceding; and only in the state, and by the corporation in this state for the year initiodistly preceding, and when and to whom paid. Each of safet, corporation be organized under the laws of this state, and by its principal officer in this state for the year initiodically preceding in this state for the year initiodically preceding and when and to whom paid. Each of safet, in this state, and by its principal officer in this state for organized without this state.

infrequential office in this state if organized without this state. Rongites, volucious physics. A foreign exporation must maintain an office in this state where legal service may be had upon an office proper tooks shall be kept to enable if to comply with the constitutional and stantory proyisons governing such corporations. It must file in the other of the secretary of state a copy of its articles of morporation, authenticated by the proper authority, and its principal officer in this state shall make and roward immediately to the secretary of state a statement duly sworn to of the proportion of the empirical stock of said corporation the state of Missouri, and it shall be required to pay on said proportion to the state test required of similar corporations formed within this state. A certificate that it has compiled with the law of this state and is authorized to do business therein is then issued by the secretary of state.

## LIENS

Persons turnishing materials, machinery or fixtures for any building, erection or improvement on land or for repairs thereof, under contract with the owner, proprietor or his agent, trace-contractor or sub-contractor, may have a lien on the erection and under contract with the owner, proprietor or his accut, tristee, contractor as subcontractor, may have a hen on the erection sund on the land, not exceeding one acre in the country or the lot in a town or city. The hen one exceeding one acre in the country or the lot in a town or city. The lens of the land is previously meant the land is previously meanthered, and the buildings when the land is previously meanthered. The hen attaches to the leasehold interest of the tenant, and the buildings and improvements errected by the tenant may be removed within sixty days after the lease ferminates. Contractors must within sixty days after the lease ferminates. Contractors must within sixty months are considered to the country where the building is a just and true account of the amount, after allowing most credits, with a description of the property sufficient to identify the same, the name of the contractor, or both. This statement must be sworn to by the claimant of the lien or by some person for him. The hen has precedence over all membrances regarded acretic written notices on the owner that they have a claim, ten days before thing the lien. If the owner is absent such notice is served by fling with the country recorder. Suit to enforce a hen must be commenced within ninety days after the STATE DIGESTS

lien is filed and must be proscruted without delay. If the sub-contractor file hea, it is the duty of the contractor to detend the suit thereon, and the owner may withhold the money due the contractor during the pendency of the suit.

#### MILLIDAMS

Anyone owing land on one side of a stream and a part of their, who desires to repect a millibum, if he cannot agree with the owner of the opposite side, or with the owners of the kind which will be flowed, may hie a petition in the circumtenart of the county in which the mill or dam is to be creefed, and such control will issue a writ directed to the sherrid of the county commanding him to summon a jury to appraise the land at the time sleep critical will be such as the service of the creek of Anyone owning land on one side of a stream and a part of the

### MINING

Women's MINES. Owners or those having a leasehold in-lorest in real estate for mining purposes shall keep a printed statement of the terms, conditions and requirements upon which shall hands may be mined or prospected and the time during which the right to mine or prospect thereunder shall continue, posted or bings up in a conspicious place in the principal office or place of business of such person or company in the county which the lands are situated, and shall deliver to such person inling or prospecting on his requesting it, a unified contor posted or hing up in a conspicuous place in the principal office of place of business of such person or conjugative to the principal office which it had some started a surface and the principal office which it had some started by the principal office of the principal of the principal office of the principal office of the principal of the principal office of the principal office of the principal of the principal office of the principal office of the principal of the principal of the principal office of the

minerals in place are land, and may be conveved as it hands after the embedding.

COVEMENTS, INCHITS - Manuscha courts probable which the corporate hinds of any city form on viding of our flowing individuals or over an investigation of value of the land of the land individuals or over a missist the average of the land of the less than individuals or over a missist to average desiration, the locality for infinity, the notine of the unitary and a day tixed for thing and approximal the bond in the centent court of the county. Wriften permission of property owners must be had to mine under any property is such early and property is such early and property as and early of both dimensional county. Wriften permission of property owners must be had to mine under any temperature of the district by the county Wriften Showing, with reference to the bounds the extent of such times. Showing with reference to the bounds the extent of such interest the said missis of meganic excavations. 2009 to entire and treatment the court and parties in interest of the extent of such interest to the extent and character of such interest to the extent and character of such interest to the extent and excavations for also wears to relate weighting of takes seems.

Anometries, those Yun. Mine photoers must be paid tegrificated to the extent of the bolder in cash.

SALFIA AND INSTITUTES. An inspector of mines is appointed by the governer, and in the document of the contraction of the extent of the property in exessity precaution is taken to insume the locality and sately of the working and permitted in the provision and requirements, provided for are tathinity of exception and requirements provided for are tathinity of exception and requirements provided for are tathinity of exception of the exception of the exception of the protect of the exception of the provided and an unities of the exce

every mine employing ten or more men, showing the tenus, in-clination of the strata, material deflection in the workings and the boundary lines, and deposite with the clerk of the county court. Mines met and deposite with the clerk of the county court, which is the strain of the strain of the strain of the boundary length of the strain of the strain of the strain moderal cubic feet of air per man per mantic; bors-holes provided wenty beet in advance of the working places; suitable holsting apparatus and means for signaling from top to bottom, explosives must be kept in a strong box, except so much as may be needed for minedlate use, and kept at least one hundred test from the place of blasting; owner or operator of the mine shall also keep sufficient supply of prop limber for use.

## MONTANA

Compiled by DAVID B.CARDENTER, Afformey at Law. Rooms 9 and to, Barley Block, Helena, Mont.

## CORPORATIONS.

CORTORATIONS.

Private charters and special prayleges are prohibited by the continuous and allubouses to corporations must be tormed under the property of the party of the property of the pr

enected. The stock of such company shall be deemed personal estate and transferable as prescribed by the bylaws, but no transfer shall be valid, except as between the partner therefor, much shall be entered upon the books of the company showing the met-or the transfer and destination the partnershall shares and the

shall occurrency upon the books of the conjugants showing the hards of the transfer and diestinating the particular shares and the factor the transfer. The steckholiers shall be foundly and severally hable to the circle of the company to the amount of their unpaid shock mit the whole amount subscripted to shall have been paid in.

The company may issue stock in payment of purchase the company may issue stock in payment of purchase the company may issue stock in payment of purchase the distributions of the company of the compa

published. The finishes also become jointly and severally hable to the enditors it they shall declare and pay any dividends when the company is insolvent, or the payment of which will cause economy to become insolvent or diminish the amount of the capital stock, and said lability continues as long as they remain.

in office, provided that any trustee may escape such liability by filing a certificate of his objection to such payment of a dividend with the clerk of the company and with the county clerk and recorder at any time before its payment.

No loan can be made to a stockholder, and, if made, the officer so making or consenting thereto shall be liable jointly and severally to the extent of the loan and interest, and for all the

severally to the extent of the loan and interest, and for all the debts of the company contracted before the repayment of the boan. Any false notice, report or certificate heretofore named creates. It requires a twe-thirds vote of all the capital stock issued at a meeting held for that purpose, after a notice published six weeks and a copy mailed to each stockholder, to increase or diminish the capital stock or to extend or change its business or to change its constitution, at which meeting stockholders may appear in person of by proxy.

If the indebtedness of the company ever exceed the capital stock the trustees are personally liable to the creditors for

the everss.

Trustees must cause a book to be kept which shall be open to
the inspection of stockholders and creditors or their representatives, showing in alphabotheal order the names of the stockholders,
their residences, the number of shares held by each and when
they become the owners thereof, and the amount of stock actually
paid in, and creditors and their representatives are entitled to
make extracts thereform, under penalty for failure to so keep the excess. said book.

said book.

The owners of lifteen per cent, of the capital stock by a written request on the treasurer may demand and obtain a full statement of the company's affairs on twenty days' notice.

Corporations so organized have power:

To have succession in the corporate name for the period limited in the certificate.

To sue and be sued, complain and defend in any court of law

or equity.

To make and use a common seal and alter the same at

pleasure.
4. To hold, purchase and convey such read and personal estate as the purposes of the corporation may require.
5. To appoint such subordinate officers and agents as the business of the corporation shall require, and to allow them suitable compensation.
6. To make by-laws not inconsistent with any existing laws for the management of its property and the regulation of its adars for the transfer of its stack.

To repeations so organized may exercise the right of eminent doublets or the consequence of the stack.

The trustees of such corporation have no power to sell, lease, The trustees of such corporation have no power to sell, lease, mortrage or otherwise dispose of naming ground, quartz mills, smelters, concentrators or reduction works the property of the corporation, except by earling a meeting (in the manner indicated to merease or diminish the capital stock) and after submitting each parcel or piece of said property separately to the meeting, so called, and being authorized by a vote of at least three-fourths of all the shares of stock of the corporation, and which vote must be carried by at least two-thirds of all the shares of some or the corporation.

which vote must be carried by at least two-thirds of all the shares of the corporation.

Corporations so formed may make their stock assessable on non-assessable by so designating in their certificates of incorporation in addition to the other facts required to be stated.

No assessment shall exceed the per cent, of the amount of capital stock named in the criminal corporation mannion and the corporation of the stated of the corporation of the amount of capital stock named in the criminal corporation in continuous mannion and the corporation of the corporation of the amount remains in the corporation of the corpor

to each stockholder.

After stock becomes delinquent, notice must be published (in After stock becomes delinquent, notice must be published on statutory torms to fen dass it in a daily paper and two weeks if in a weeksly paper, describing each certificate delinquent and the amount due thereon, the first publication being at least fitteen days prior to the day of sale. The corporation then has juris-diction to self and give a complete title to the stock sold, but shall self only sufficient to pay the assessment and costs of sale. The delinquent stock must be sold at public auction to the lughest budder for each and the person offering to take the least number of shares and pay the assessment and costs the company. It in once buts the amount of assessment and costs the company of the company of the person of the person of the same disposition as if never person of the same costs and it then becomes treasiny stock, subject to the same disposition as if never (smear) the delinquent assessment and costs are thereby satisfied.

costs are thereby satisfied.

Corporations may become dismeorporated by presenting a petition to the judge of the district court under the oath of the obicers that it is authorized by a two-thirds vote of all the stockholders at a necture called for that purpose, and the said court, upon being satisfied that the proper step have been taken and the necessary votes to dissolve itself given, shall enter an order declaring it dissolved and the rightly afor tranchise shall then cease and become yord.

and become void.

Foreign Colporations. The constitution provides that no toreign corporations shall do business in the state without having one or more known places of business, and an authorized agent or agents in the same, upon whom process may be served, and no company or corporation torned under the laws of any

country, state or territory shall have or be allowed to exercise or enjoy within this state any greater rights or privileges than those possessed or enjoyed by corporations of the same or similar character created under the laws of the state.

Foreign corporations or joint-stock companies are permitted to Foreign corporations or joint-stock companies are in the country clerk and recorder's office of the country wherein they intend to operate a sworn copy of their charter or certificate of incorporation, and a verified statement attested by a majority of the board of directors showing:

1. The name of the corporation, the location of its principal office or place of basiness without the state, and if it have an place of business without the state, and if it have an incorporation of the companion of the companion

2. The amount of its capital stock.

3. The amount of its capital stock actually paid in money.

4. The amount of its capital stock paid in any other way and in what.

5 What. 5. The amount of the assets of the incorporation and of what the assets consist, with the actual cash value thereof, 6. The liabilities of such incorporations, and if any of its indebtedness is secured and how, and upon what property. This said statement must also be verified by the oath of the

This said statement must also be verified by the oath of the president and secretary of such incorporation.

Such meorporation or joint-stock company must also fle at the same time and in the same offices a certificate under the seal of the corporation and the signature of the president, vice-president or other acting head, and its secretary if there be one, certifying that the said corporation has consented to be such in the courts of the state upon all causes of action arising against it in this state, and that service of process may be made upon some process of the said of the president of the process when so served upon such agent shall be taken, deemed and held to be as valid to all intents and purposes as it served upon the company in the state or territory under the laws of which it is organized.

organized.

The written consent of the person so designated to act as such agent shall also be filed in the same manner.

agent soan asso or med in the same manner.

A penalty of \$10 per day is provided for failure to comply with
this law, and all acts and contracts of its agents are declared to
be void as to the corporation.

The courts hold that a foreign corporation can protect its claims

by hiligation notwithstanding.

Every such corporation must annually within twenty days from the 1st of September make a report which shall contain the same information as the original statement, and file the same in the same offices.

Every mechanic, builder, hunberman, artisan, workman, laborer or other person, association, partnership or corporation that shall do or perform any work and labor upon or furnish any naterial, machinery or fixture for any building, erection, bridge, thune, canal, ditch, mining clain, quirtz lode, eity or town lot or lots, ranch, railroad, telegraph, telephone or electric fight line, graph or water-pipe fine or other improvements, upon complication of the control of t

inhor whose, in a source state of the control of a lieu thereon and therefor.

To comply with the provision of the statute, he must within torty-dive days after the completion of the work file in the office of the county cirk and recorder of the county of the losus of the property a just and true account of the amount due of owing to him after allowing all credits, and containing a current elsewing said lieu extends to all the interest the person for whom the material was furnished or work done has in the property upon which the improvements are made to the extent of one are if outside of the city limits, and to the whole lot if within said limits. All lieus filed within thirty days of the first lieus shall be hens of the first class and share pro rata and be first saff all lieus filed after as in thirty days and within sixty days shall be lieus of the second class and share pro rata after the first class lieus are vasisfied.

liens are satisfied. All hens for material furnished and work and labor done shall

All hells for inflaterial utrished and work and aloue done shall have priority to and precedence over any mortgage, membrance or other hon made subsequent to the commencement of the work on any contract for the erection of such building, structure or other improvement.

other haprovement.

Every person, including guardians of minors, married women and any company, association or corporation, not tenants or descess, for whose use, benefit or enloyment any building, structure or improvement, as heretofore mentioned, shall be constructed, required or aftered, shall be deemed the owner or properties of the structure of the structu

homestead is subject to a lien for material furnished as well

as for labor as to more.

A reasonable attorney's fee is recoverable as costs against defendants in forcelosure of liens for material or labor.

#### MINING

Ordinance I to the state constitution provides that "the people inhabiting the proposed state of Montana do agree and declare

that they forever disclaim all right and title to the unappropriated public lands lying within the boundaries thereof, which includes all mineral lands, and that the same shall be and remain subject to the disposition of the United States, and that lands belonging to citizens of the United States residing without the state of Montana shall never be taved at a higher rate than the most belonging to citizens of the United States residing without the state of Montana shall never be taved at a higher rate than the most belonging to the state of the

the courts and tribunals of the state as a chattel real and possessing the character of real estate.

State constitution, Article VII, section approvides that "all numes and mining claims, both placer and rock in place, containing or bearing gold, silver, copper, lead, coad or other valuable mineral deposits, after purchase thereof from the 1 inted States, shall be surface ground, or some part thereod, of such mine or claim the total of the tribunal states, shall be surface ground, or some part thereod, of such mine or claim the total of the tribunal states, and has an entire case said surface ground to the first part of the control of the first part of the part of the part of the first part of the first part of the part of the first part of the part of the part of the first part of the fir for patent.

for patent.

Quartz lode locations can be made only after the discovery on a lead, lode or ledge of a vem or crevice of quartz or one with at least one well-defined with Sal mentions cannot exceed inteen innered need as before the second or lode in locational three hundred feet as the of the center thereof in width, which is the control of solvery of quartz lode or placer mine, discovery of quartz lode or placer mine, discovere mins within twenty days make and like for record in the office of the county recorder of the county where such discovery is located, a declaratory statement in writing under oath, describing the claim in the manner provided by the laws of the lamid states. The animal representation is shownly hyndrig and filing with the county clerk and recorder an affidavit showing.

1. The manner of the lode and where stuated.

2. The manner of the lode and where stuated.

3. The date of dates of performing said labor and making said improvements.

improvements. M whose instance and request said work was done or im-

4. At whose installing and request sain ways was approximately stude.
5. The actual amount raid for said labor and improvements, and by whom paid, when the same was not done by the owner or owners of said quarter claim.
The affidavit so filed is made prima face evidence of the facts.

The affidavit so filed is made prima have evidence of the facts therein stated.

TENNER Richts. Any person desiring to locate a funned claim for the purpose on theseovery and mining shall record the surrose and theoretical and mining shall record the surrose with the rames of these of commencement and the course mercely with the rames of the parties interested therein. A funned claimant has a right only to such veins of lodes as may be discovered in his timule within three thousand feet from the lace thereof, and that have such so robots the right extends along them for iffeced immediate text and one cach sade three hundred rect. That the line of the funnel is a fine the width of the sides of the timel, and that third persons site the facilities of a right line at right to locate veins or folks where the world of the sides of them the course of the surrose of the

Any person who shall so pre-cupt any tunnel claim shall be entitled to three hundred tect on each side of the month of said fininel for the purpose of a quartz or ore yard.

Under the incorporation laws of the state a corporation formed for the purpose of evenyating a funnel shall have and hold cieven hundred feet on each side of the funnel on all lades discovered by them while excavating said funnel, and through all lodes dis-

overed previous to the commencement of said tunnel they shall

have the right of way.

RIGHT OF WAY.—The proprietors or owners of mining claims have the right of way.

Right or WAY.—The proprietors or owners of mining claims, whether patenfed under the laws of the United States or held under the local laws and customs of greens for held of the state of th

by the court to assess the damages resulting from such right or MILL/STES FOR MINIO: PURPOSES, Millsibes are located under Section 23% of the United States statutes and patiented in accordance therewith.

COURT PRESIONS. The following questions have been passed upon by the supreme court and are state decess in Montanus. That the rights of parenteed by the state decess in Montanus, which is the propertied by the state of the fails will be seen to the propertied of the state of the fails will be reported by the state of the fails will be reported by the december of the fails will be reported by the state of the fails will be reported by the state of the fails will be reported by the state of the fails will be reported by the state of the fails will be reported by the state of the fails of

in the proper court to decade the same.
That a declaratory statement to a mining claim should be sworn to or it will be invalid.
An affidavit to a notice of location which did not state or refer to the date of location was insufficient.
Add possession of the surface of a lode claim carries the right to and constitutes a possession of veins, bodes or lociges whose tops or aprecess are within such surface due.
In the language of miners a lode of the rock and are the filmes of cracked possession of the surface due, and are the filmes of cracked beautiful control of the rock and are the filmes of cracked beautiful control of the rock and are the filmes of cracked beautiful control of the rock of the cracking of terms the prior locator is entitled to all the one within the space of intersection, but a subsequent location has a right of way through the same.
That the rules and customs of any particular mining district mining for precious metals.
A failure to do the representation work on a quartz lode as required by the United States statutes operates as a forfeiture and subject the claim to re-location, but this forefurure may be avoided by a bound ide resumption of work before a relocation has been actually made, each overland monthly enough so that

axonded by a bount dide resumption of work before a re-location has been identially made.

A location must be distinctly marked upon the ground so that as boundaries can be readily traced.

Held that the representation under the act of congress of 1872 was a maniment of title. That the first heators of placer mining ground have no right by custom or otherwise to allow tailings to run tree in a gulch and thereby render other claims valueless.

They may, however, work their ground with reasonable care, and maries resulting to other locators would be damania absque-morate.

minura.

A patient to a mining claim being based upon an adiindication of the land department of the United States as to patenties's right thereto, and such adjudention having the effect of a final judgment, is as a rule conclusive proof of discovery, marking boundaries and the performance of all the requirements necessity to constitute a valid location.

### STONE QUARRIES.

Stone quarries are taken up under the laws relating to placer mines and patents obtained by a compliance therewith.

## NEBRASKA

Compiled by STEATAS, LOVE & Countrys, Attorneys at Law, Newman Block, Lincoln, Neb.

## CORPORATIONS

Any number of persons may incorporate for the transaction of any lawful business. Corporations have power to have successionly corporate name, to some and be sued, to make and use a configuration sent and after the same at pleasure, to hold personal estate and such read-salar as may be necessary or the business of the corporation, to render the interest of the stockholders transferable, to appoint such officers and agents as the business shall require, to make by-laws not meanistent with any existing law.

Inw. Articles of incorporation must be adopted and recorded in the office of the county elects before commencing business, and if the correctation is organized for the purpose of constructing internal uniprovenients, the articles shall be filed also with the secretary of

improvements, the articles shall be interfusional and asserting to station to norm months from the fame of thing such articles in the chief's office, induce of neurperation shall be published stating the corporate name, as principal place of business, nature of business, amount or the capital stock and the time and condition in which it is paid, the time of the commencement and the termination of business, the highest amount or indefted allowed, which in no case shall exceed twint allowed which in the case shall exceed the alms. Are to be maintained to the business and the component after the business and the business of others appended thereto.

Copy of the by-laws and names of officers appended thereto must be posted in some consprenous place at places of business.

Any amendment to the articles of incorporation, must be made

Any amendment to the articles of incorporation must be mane with the same formalties as the original articles. The statute requires annual notice to be published in any news-paper of general circulation in the county or counties in which the business is transacted, showing the amount of existing debts, which notice shall be signed by the president and a majority of the directors

the directors.
Upon a failure to comply substantially with the statutory provisions, all the stockholders of the corporation shall be jointly and severally lable for all the debts of the corporation then existing after the corporate property has been exhausted. Stockholders are lable for the amount of their unpaid subscription, and stockholders in banks are liable for their unpaid subscription, and stockholders in banks are liable for their unpaid subscription and an additional amount equal to their subscription. Service of legal process may be lad upon the president, chair in the content of the subscription of the sub

usual place of business.

Actions may be brought against railfroad companies in any county through which their lines run.

Actions may be brought against am insurance company in any county in which there is an agency thereof. Service may be upon the chief other of such agency.

Foreign corporations may be served by publication, or by delivering copy of process to managing agent. The property of longian corporations is liable to seizure by attachment without hond

bond.

Any toreign corporation may become a body corporate of this state by filing with the secretary of state a copy of its charter or articles of association and a certification of the resolution adopted by its board of directors accepting the provisions of the statutes of the state.

Conveyances of real estate are by deed scaled with corporate scal, signed by the president or presiding officer of the board of

directors of the corporation.

#### LIENS

Liens for labor, material, machinery and fixtures are allowed

Large for laton, marcina, machinery and aximes are anower upon any house, mill, manufacture, building or appartenances and the lot of land upon which the same shall stand. The lien is secured by filing with the register of deeds a sworn statement of the items of the labor and material furnished, with a description of the land.

Contractors must file within four months, and sub-contractors

Contractors must flle within four months, and sub-contractors within sixy days, from the date of the first flen. If hadding is left meanipleed by the owner, laborers and it hadding is left meanipleed by the owner of sections. Where the owner of real estate enters into a contract of sale in which it is agreed as part of the consideration that the purchaser shall erect certain buildings, hens for labor and materials upon such buildings are superior to vender's lien for purchase price. Lien is assignable after filed.

Lien is assignance after med.

Lien is enforced by action in equity in the same manner as torcelosure of mortgages, forcelosure must be commenced within two years from the filing of the lien.

#### MINING

The statutes provide that when a ven or earl shall be dis-covered not less than twenty-six meles in depth, of sumerar expects to pay to mine, and within paying distance from the surface, the state of Nebrusias islail pay a reward of \$4,000 for the owner or owners thereof. A like reward of \$2,000 is provided for the discovery of a vein of good from one one too thick.

## $\times EVADA$

Compiled by Gro. S. SAWALR, Attorney at Law, Proche, Nev.

### CORPORATIONS.

CORPORATIONS.

Corporations may be formed for any purpose, except to issue notes to circulate as money. Three or more persons may form a corporation by seming and acknowledging a certificate of more corporation by seming and acknowledging a certificate of more county in which the principal place of business is to be becauted, and also filing a copy theorem, certified under the hand of such clerk and the scal of the county of such county, with the secretary of state. The certificate must contain the name of the corporation, its object, the amount of the capital stock and number of shares, its term of existence and exceeding fifty years, the state of existence and exceeding fifty years, the state of existence and exceeding fifty years, the first principal place of business, netering to town and county. The corporate powers shall be exceeded by a bond of trustees, not less than three in number, who shall be stockholders, and who shall be elected annually by the stockholders and trustees are such as are neighbor to all each potential sense. The general powers and ditties of stockholders, and a majority of the remaining stock shall be fixed to be a majority of all stock in all subsequent transactions.

On petition of stockholders holding a majority of stockholders in the purpose of removing any or all of the others of sach corporation, and all such meeting any other may be removed and a new one elected.

new one elected

Shares are personal estate and are transferable by indorse-ment and delivery, but such transfer is not valid, everent as to the parties thereto, mill entered on the books of the corporation. No dividends can be declared except upon net profils. The debts must not exceed the amount of capital stock paid in,

and the trustees who allow any excess become personally hable.

A corporation may dissolve itself by petition to and proceedings before the district judge of the district where its office is

Every person who performs labor or furnishes materials of the value of \$5 has a flem upon the property upon which he has performed the work or for which he has turnished the naterial, together with enough land around the same for con-ception and the same of the same of the con-tent and the same for con-tential to the same of the same of the con-tential to the same of the same of the con-ception works, etc. Any person in control of the work shall be deemed the agent of the owner of the property, and the property will be held subject to the hen unless the owner shall, within three days after knowledge of the work or material furnished, post a written moles on the property that he and the property most responsible. He may be some property that he and the property of the property of the content of the work and to all prior incumbrances of which the lien-holder had no notice, actual or constructive. or constructive

Original contractors must file their claims of lien with Original contractors must file their claims of lien with the county recorder within sixty days from the completion of the work, and all other persons within thirty days, and suits upon such claims, to enforce the liens, must be commenced in the proper court within six months from the date of such filing. Claims of lien are assignable. Liens are classified and preferred as follows: First, all persons other than the original and sub-contractors, second, the sub-contractors, third, the contractors,

#### MINING

MINING.

Mining claims are located and held by virtue of the laws of the United States and local regulations, thereby authorized: There is no state regulation in this respect, except (1) in case of proceedings against delinquent (coowners under the United States, Statutes, The moving parry mark, within their days of the County recorder a copy of the notice given, with an affidivity of service, if personal, or an affidavit of publication, by the publisher of his clerk, when published, together with his ownafidavit that the parties proceeded against have not paid their share of expenditure, or performed their share of labor. Such record or a copy thereofor a period their share of the county and their share of expenditure, or performed their share of the facts therefore is period as a copy thereofor a copy the control of the facts therefore the comparison of the county of the facts therefore the copy of the

# NEW HAMPSHIRE

Compiled by E. S. & H. A. CULLER, Afterneys at Law, Nashua, New Hampshire,

#### CORPORATIONS.

Unifor the general composition has a company can be formed to carry on any lawful Justiness except banking, failured and the meaning of the state of the state of the composition can one rate miner in foreign states. Every corporation creamed under the laws of incream states. Every corporation creamed under the laws of incream states. Every corporation creamed under the laws of this state which does not earry on its business an New Hampshire shall pay a charter fee on the largest amount of the authorized capital, as follows. One per cent, on the first Shongon, one-half of one per cent, on all above that amount and under \$1,000,000, and three-coglitis of one per cent, on all its capital above \$1,000,000, and three-coglitis of one per cent, on all its capital labove \$1,000,000, and three-composition can be specially chartered by the legislature, or craimted by the persons under written articles setting forth is name, business, place of business and amount of capital, which is name, business, place of business and amount of capital, which would be shall be recorded in the secretary of state's office and in the town clerk's office where the corporation shall have its principal place of business. The clerk shall be a resident of the state of the capital stock can be disposed of except LATAILTIA. Every stockholder shall be liable for all the debts of the corporation intil the whole amount of the capital shall have been paid in and at swon statement of such that last recorded in the office of the fown clerk where the corporation is located.

Aside from the common-law liens and those of taxes and mort-gages, the statutes give a lien to boarding-house keepers on the effects of their guests, to the keepers of horses, cattle, etc., and

to laborers on vessels and buildings. The last two liens extend for a period of ninety days, and may be secured by attrachment. A lien-holder on personal property may self the same at middle auction, on fourtiem days notice by posting and personal service when obtainable, and a return or such sale shall be made to the clerk of the town.

clerk of the town.

Repairs to dains and flumes may be made by joint owners in proportion to the several interests, upon perition to the selection of the towns where the dain is located. The pertion must state material facts, see the dain is located, the pertion must easier of absent, shall determine the increasing the day of hearing. The selection shall determine the necessity for repairs by examination of the premises and by testimony. When the premise of the premise is the properties of the properties of the premise of the prem

Shall have in cover more towns the selectmen of all the towns. A distribution of the selectmen of the selectment of the covered show the covered shad and all lands which the owners thereof allow to be overflowed. The supreme court has pursulent network of distinct selections are supremented in the content of distinct selections are appeared to the selection of distinct selections are appeared to the selection of distinct selections and all other court pulgment may be had as in other precedence of the court had subsequently income into the many assess distinges, to which bity percent must be added, and pulgment express accordingly. A pury that may be had upon the electron of either party.

MINUSC.

There are no special laws in regard to mining in this state

# NEW JERSEY

Compiled by Lowellioner & Orthurs 1. Attorneys at Law. Trenton, N  $\rm J$ 

## CORPORATIONS

FORMATION. Cotporations are created in this state under general laws by making, recording and thing certificates to that effect in the manner presenting and thing certificates to that effect in the manner proposes are formed under the statute of incoming and the various supplements therefor. All corporations for most under the statute proposes are formed under the statute of the state of Association of the various supplements therefor. All corporations for our most be a resident of the state of Association for the various supplements therefor the persons one of the state of Association for the various supplements and the state of Association for the portions and proposed of the corporations of the state of Association for the purpose. All corporations continued to our capital state the manner of the state of the state of the state of the proposed of the corporation, the places where it will demand to the state of t A corporation thus formed has to all substantial

united by the composition begins its existence, and may be organized at once its. A corporation thus, torned has to all substantial intents the same powers as an individual to make contracts within the reasonable scope of the objects specificate in the case of organization, and to exceed a property of them by suit of otherwise. It may own or may be a composition of the property o

capital stock, duly proved by others of the corporation and filed in the office of the secretary of state.

CVETVE STOCKES, STOCKES, STOCKES, DESTRUCT, OF STOCKEGA, DESTRUCT, STOCKES, STOCKES, DESTRUCT, OF STOCKES, STOCKES, DESTRUCT, OF STOCKES, STOCKES, DESTRUCT, DESTRUCT, STOCKES, STOCKES, DESTRUCT, DESTRUCT, STOCKES, STOCKES, DESTRUCT, DESTRUCT, STOCKES, DESTRUCT, DESTRUCT, STOCKES, DESTRUCT, DESTRUC

of extensions of its plant.

A corporation may a mire protein of stock from amount of pro-portion not a vereding two finites or all the stock resuld. Such preferriod stock may be made to boar fixed dividents and exceed-ping early result are annum before the payment of a dividend upon the condition. The protein fixed is a superficient of the condition of the payment of a dividend of the condition of the protein fixed proteins of the payment of a dividend of the payment of the paym

upon the common stock.

FTLS AND TAXLS. Upon thing a continence of incorporation with the secretary of state there is a charge of 85 on all corporations with a capital not exceeding points and point all capital not exceeding points per stock of capital, on thing an amenda and the stock of the large of the per stocking of the per stocking of the stock of the stocking points of their exacting of the stocking of t

of solution the measures up to Stagono, and a pec of 25 certs upon the State beyes a transfers tax on all mining corporations of the state beyes a transfers tax on all mining corporations of moderation one per cent, on the entire amount of capital stock issued and outstanding up to and mending the sum of stock issued and outstanding up to and mending the sum of stock is appeared and not exceeding stock and outstanding and not stock is successed on all amounts of capital stock and the stock is successed and an intelligence of the stock is successed and outstanding and amounts of capital stock issued and outstanding as invested in mining cartied on bright stock issued and outstanding is invested in mining cartied on bright stock issued and outstanding is invested in mining cartied on bright stock issued and outstanding is invested in mining cartied on within this state, if it is out to be successed and outstanding of the assessed value of its equal stock and outstanding of the assessed value of its equal stock sould and outstanding of the assessed value of its equal stock sould be uning within this state. The outspan required to make amount or parts to the state, proper amount of ay. Blanks tor such tepolis are uninshed by the borid.

#### LIENS.

Every building and the lot or tract of ground on which it stands is liable to the payment of any debt due any person for labor dome or materials furnished for the construction of such produced to the construction of such pelots contracted for fixed machinery, genting or other fixtures for manufacturing purposes, and nor work or materials furnished in repairing, aftering or adding to such buildings, machinery and fixtures, constitute lens thereon. If a tenant of land errect a building on it, the building, and not the land, is liable to the lien, unless the owner of the land consent in writing to the erection of institutes, constitute helis thereon. If a tenant of land erect a unique of it, the building, and not the land, is liable to the hen, such building, Buildings, erected on lands of a married woman, and the land as well, are liable to such a hen, unless the woman file in the county clerk's office her dissent to the crection of the building. If a building be crected or repaired without a written contract, it is hable to material-men and laborets as benors alike, if it be erected or repaired without a written contract, it is hable to material-men and laborets as benors alike, if it be erected or repaired without a writing, and the building. If it be erected or repaired without a writing, and the building and lands are liable to the lieu of the contractor alone; provided, but on the payment by the owner of the money due on the contract, the contractor delivers to the owner a release of these executed by all material-men, workmen and laborers who have furnished material for and have worked upon the building releasing the building and lands from their claims. Such release release the building and lands from their claims. Such release that no person not natured in the release has any lieu upon the building the building and lands for work done or materials furnished. Payment made to the contractor upon his tender of such a release, and claims so that a lands of work done or materials furnished. Payment made to the contractor on sustained galaims, clears the building source of the contractor of the properties of the purpose of the building that a properties of the land, and under the norty in the delivers of the advanced upon a building to be erected on the land by the purchaser, a lieu relation to the land, and building the purchaser, a lieu of the land and has secured by the mortgage on the building the purchaser, a lieu of the land and lands to the advanced upon a building the system that he building the surface of the land and has secured by the mortgage. It is outlored the lieu with the year, and the suit duly proce

#### MINING.

MINING.

INSPECTION.—The state commissioner of mines is empowered to visit and inspect all names in the state and to report their condition to the governor of the state annually, with such recommendations as the commissioner shall deem advisable, complete the state of the lives of the employes in the mine are provided, and if such protections be neglected by the proprietor of the mines, the commissioner is empowered to give the owner or lessee notice in writing stating such neglected and unless such deficiency shall be immediately remedied the owner or lessee becomes criminally liable in case of death or accident to the employe through such deficiency of protection. Upon complaint in writing made by any employe in a mine that such name is dangerous to the lives of those employed therein, the commissioner is required to examine plaint be just, he is required to notify the owner or lessee in writing of the fact, and may in his discretion order such mine closed until he shall have issued his certificate that such danger has been remedied. Any owner or lessee of a mine refusing to comply with the demands of the last-mentioned notice forfeits the sum of \$1,000 as a penalty therefor.

## NEW MEXICO

Compiled by S. M. ASHENFELLER, Attorney at Law, Deming, N. Mey.

### CORPORATIONS

CORPORATIONS.

Corporations to making and introducing or other industrial pursuits, or for making and introducing abstracts of interto real estate, or for misting infles, or the construction or operation of radioads, wagon roads, irrigation diaches and the colomization and improvement of lands in connection therewith, or for real-leges, seminaries, churches, libraries, or any benevolent, charitation of the ferritorial secretary a statement in writing, signed and acknowledged by three or more persons, setting forth the fell acknowledged by three or more persons, setting forth the fell acknowledged by three or more persons, setting forth the fell acknowledged by three or more persons, setting forth the fell acknowledged by three or more persons, setting forth the fell and induced in the control of the first three months, and the name of evolution of the county in which the principal place of business is to be located. A copy of this certificate, duly certified, must be filed only in which the county in model. The strate confers all with probate clerk of the county mind. The strate confers all the county in the citizens of the Trutted States and models a majority of the county in the county in mind. The strate confers all the county in the citizens of the Trutted States and models as an anjointy of the citizens of the Trutted States and models as an anjointy of the citizens of the Trutted States and models of New Mexico. Elected annually, upon such notice and in such place as provided by the by-laws, but must be by ballot, it may be held on subsequent day, and directors act until election of successors. tion of successors

tori of successors.

Directors control the calling in of amounts subscribed for stock. No dividends permitted except from surplus profits, Directors personally hable it debts exceed capital stock. Trus-

tees and persons holding pledged stock not liable for assessment. Notices of assessment and of stockholders' meetings must be published in a newspaper four weeks.

Corporations formed in configuous states to construct below the construction of the control of th

oringes and jerries. There is also a special law for the incorporation of instrance companies, which places particular restrictions upon the management thereof.
Corporations must organize and commence transaction of business within two years from date of filing certificate, or their corporate powers cease.

Every person furnishing materials to be used in the construc-tion, afteration or repair of any mining claim, building, wharf, bridge, ditch, thune, tumel, fence, machinery, railroad, wagon road or aqueduct or any other structure has a ficu upon the same for the materials furnished, whether so furnished at the instance of the owner of the improvement or his agent; and every contractor, subscentractor, architect, builder or other person hav-ing charge, in whole or in part, is held to be the agent of the ungravement is subject to the hen, and the lim is preferred to the machine the subject of the limb of the subject of the ungravement is subject to the lien, and the lim is preferred to the unitarity we recommenced to be turnished or which was unrecorded at such time, unless the material-man had actual notice.

notice.

An original contractor within ninety days, and all others within sixty days after completion of the improvement, must lie with the county recorder of the county in which the property or a part thereof is simule a statement of demands, with the name of the person to whom he furnished the materials, and a statement of the terms, time given and conditions of his contract, and also a description of the property to be charged with the lien. This statement must be verified by oath of materials man or some other person. It against two or more buildings or improvements, the claimant must designate amount due upon each. All claims of lien fail unless proceedings to enforce the same be commenced in proper court within one year after statement filed, or, if a credit be given, six months after expiration of such credit; but no agreement to give credit shall continue a lien in force nore than two years.

such creati; but no agreement to give creati snan continue a nen inforce more than two years.

The rank of liens is: First, all other persons than the original contractors and suffered contractors; second, the sub-contractors; third, the original contractors. Any minber of lien elabinants may join in the same action. Materials furnished are not sub-lect to outside attachment, execution or offer process. The tak-ing of collaboration such contractions are such as the contraction of the process.

MINING.

Location must be distinctly marked on the ground, so that its boundaries may be readily traced. Written notice of location must be posted at some conspicuous place on the claim, and must contain a description thereof by reference to some natural object or permanent monument. Acopy of this notice must be recorded in county clerk's office within three months after date of location. The value of a day's labor is fixed at \$3, or eight hours of labor actually performed.

Locators must street, and expose mineral in place, before filing location notice, and within ninety days from date of location. Surface boundaries must be fixed by four substantial posts or monuments at each corner, all marked to indicate direction. Where mine is under hen, the lien-holder has right of entry to do the animal assessment work it owner neglects same, and a penalty attaches for any obstruction of that right. The cost of such assessment work is made a hadditional lien, following original hen as to tenor and effect. A stockholder in a mining cornal hen as to tenor and effect, a stockholder in a mining cornal hen as to tenor and effect, a stockholder in a mining cornal hen as to renor and effect, and the analytic of the contained penalty to officer or agent refusing to allow such entry. Thirty days notice required to terminate an oral mining lease, except when damage is being done to property. Minecowners have right of eminent domain for trainway or railway to transport ore to reduction-works.

Ore purchasers and reducers must keep a detailed record of all ore received, with mine of mine, person, etc. Under recalations, any party, from whom ore has been stolen may lave access to made (clouds, with mine of mine, person, etc. Under recalations, any party, from whom ore lass been stolen may lave access to made (clouds) or and knowing purchase thereof are made (clouds).

made felomes. False and malicious statement as to title, or knowingly making talse chann or setting up a false ben, with a view to defecting state of mining property of the state of the s

Two shafts, slopes or outlets, separated by natural strata one hundred and lifty teet in breadth, with distinct means of ingress and egress, always available to employes, are required in each

mine. Ventilation must be adequate, not less than lifty-five cubic feet per second of pure air for every lifty men, circulated through the lace of every working place, so that the mine shall be free from danger to the health and lives of employes; and every mine must have a competent inside overseer, whose special duty it is to keep watch over the ventilation, pumps, tanks and turbering, superinculs signaling, and, with necessary assistance, we that such mine certainly is reinfacted secure. It is his special duty to see that the hoisting machinery is kept in repair and ready for constant

The word "owner" applies to lessees. The overseer is liable to criminal prosecution for balline or neglect under the law, and, in case of death of any person through such neglect, is to be decined guilty of man-slaughter. Thorough boder inspection is required once in three months. The act does not apply to the opening of

once in three months. The act does not apply to the opening of new coal miness must be provided at each coal mine, where mineral control of the provided at each coal mine, where mineral control of the coal is required to be con-spiented by weight, with weights sworn to accuracy and correctness of account. A copy of the oath is required to be con-spiented by the coal is a coal mineral coal m with till right of access and examination, who must also make outh, to be conspictionally posted. Any person guilty of incorrect weighing or recording, or being accessory thereto, is erinmanly liable. Any person, owner or agent, builting to comply with any of the provisions of the act regulating weighing, is liable to erinminal prosecution.

Convicts may not be employed in New Mexico coal mine

# NEW YORK

Compiled by HASTINGS & GILEVSON, Attorneys at Law, 265 Broadway, New York

#### CORPORATIONS

Corporations may be formed in the state of New York for the Corporations may be formed in the state of New York for the purpose of confineing any lawful business. In 1860 various services of the proposed of the proposed of the state of the purpose of carrying on any lawful business, by making, sugneyor design and filling a cettoractic which shall contain in the mance of the proposed cot potation.

2. The object for which it is to be formed, including the nature

and locality of its business

The amount and description of the capital stock.
 The number of shares of which the capital stock shall consist, each, or which shall not be less than five. So, nor more

sist, each of which shall not be less than two. So nor inner than one hundred dollars is stor. The model of the story of the story of the story of the His duration, which shall not exceed fifty years. The number of its directors, not less than live, not more than thirteen, who shall each be a stockholder, having at legist twe shares of stock.

The names and postoffice addresses of the directors for the

hrst year.

The postoffice addresses of the subscribers and a statement of the number of shares of stock which each agrees to take in the corporation, the aggregate of which subscriptions shall not be less than one feath of the capital stock, and ten per cert, of which must be grad in eash to the directors named in the certificate. There shall be inderted thereon or amicrost director, as a part thereof, the albiday of at least been subscribed, its distribution of stock has been subscribed, its difficulty of the directors and percentage thereof paid in each to the directors.

been subscribed, and the proscribed percentage thereof paid in cash to the directors.

The serve certificate of incorporations shall be intended in the other of the try certificate of incorporations shall be intended in the other of the control of the control of the control of the country where the principal piles of disastess of the corporation is, or is to be located. All taxes required by has to be paid before menopora-tion and the tess toreiting and coording such certificate must be made before ultim, and no corporation shall exercise any comparate powers or privileges until such taxes and tees have

tax here specified is one eighth of one per cent upon the

need paid.

The fax here specified is one eachilitor one per cent upon the called stack of the company to be incorporated, and the record and the record and the record and the record in the state of the called the state of the state of the called the state of the state of the called the state of the called the state of the state of the called the state of the present of the state of the state of the present of the state of the s

The by-laws of the corporation shall be adopted at a meeting of stockholders, who have subscribed in the augregate at least one-half of the capital stock, and paid in ten per cent, of such subscription in each. This meeting shall be called by the direct the meeting may be subscription in the capital state of the direct the meeting, more every stockholder personally, or by depositing in the postoffice a copy addressed to him at his last known place of residence, postage prepaid, a written notice stating the time, place and object of the meeting.

The by-laws are required to provide for the following matters.

The term of the office of the directors, which shall not 2. The manner of things yearness among directors and

The manner of filling vacancies among directors and

3. The time and place of the annual meeting.

The manner of calling and holding special meetings of the stockholders. The number of stockholders who shall attend, either in per-

5. The number of stockholders who shall attend, either in person or by proxy, in order to constitute a quorum,
6. The officers of the corporation, always including a president and secretary, and a treasurer, the manner of their election, by and among the directors, and their powers and duties.
7. The manner of electing or appointing inspectors of election,
8. The manner of amending by-laws.
No amendment of the dy-laws of any such corporation shall take effect until a copy thereof, verified by the president and secretary, shall have been iffed in the offices where the original

secretary, shall have been thed in the offices where the original certificates of incorporation were filed.

The capital stock of every corporation shall be paid in one half within a year, and the other half within two years from its meorporation, or the corporation shall be dissolved. The direct of earliest book, are required to make a certificate of the capital stock so paid in, which shall be signed and sworn to by a majority of the directors, and filed in the others where its certificates of incorporation are filed.

LIVELITIES OF STOCKHOLDERS Corporations may be formed as full liability commands, in which case the stock of the corporation and another corporations. In a constitution of the corporation of the corporation is a constitution of the corporation. In other corporations, the shockholders are

of the corporation. In other corporations the stockholders are only hable for the debts of the company until the stock is full pand and the certificate has been filed. This halolity is equal to the amount of stock held.

the amount of slock held.

Corporations are required within twenty days after the 1st of January, in each and every year to make a report which shall contain the amount of equival slock, portion actually paid, the amount and general condition of its eysting assets and debts, of its their stockholders, and the day dends, if any, declared since its first report. This report shall be signed by the president and amountly of its directors, and vertical by the oath of the president and treasurer, and filled in the office of the secretary of state, and in the office of the secretary of its principal place of business is beared, its principal place of business is beared, the different shall be made, the defendent of shall both and state of the comparation shall bounts and severally be personally labeled and the debts of the corporation then existing and all contracted before such report shall be made.

to an experience of the property of the state of New York may acquire such real estate in the state of New York may acquire such real estate in the state as may be necessary for its corporate purposes in the transaction of its business within the state, and convey the same by deed or otherwise, in the same manner as a doinestic continuous distribution of the property of the prope peration.

Foreign corporations may also make any contracts in the state

to regression may assentiate any contracts in the state the same as a domestic corporation.

The courts, however, have no jurisdiction in actions brought against foreign corporations, indees the planntill is a resident of New York, or the contract of cause of action arose in the state, or is brought to affect property situated in the state.

Any person who shall hereafter perform any labor m or about the sinking, drilling or completing of any oil well, or any well sunk or drilled for oil or other volatile or inheral substance, within the state of New Vork, or as suking or drilling any water within the state of New Vork, or as suking or drilling any water such oil well or other well as aboresiad, or who shall error, build or furnish any fank or other receptacle for oil, gas of water, which shall be build, erected or furnished for any of the purposes atoresiad, or who shall perform any labor or furnish any inaterials in or for the building or creeting of such fank or other such rocks, packed as aforesiad, or who shall turnish any materials for any of the putposes aforesiad, including fuluing, ersing, such cods, packed so other apput tenances or appliances to any such owner as in this section becentacter described shall, on thing with the county clerk of the county in which the property is situated, upon hodice, have a hen for the value of such labor and materials upon such tank or other receptacle as aforesiad, and upon such well as aforesiad, and appurtenances, and upon the lot, premises, garned or farm of land upon which the same shall be situated, of the extent of the right, liftle and interest of the owner of the property, whether owner in two or of a less of the owner of the property, whether owner in two or of a less of confidence in possession under a contract existing at the time of the fulling of spil notice. vendee in possession under a contract existing at the time of the thing of said notice.

The notice must be filed within sixty days of the completion

The nonzer must be med within SAMy days of the compaction of such labor of the final furnishing of such materials, and specify the amount of the claim, the person against whom the horas made, the owner of the kind or the party in interest, Whenever the Labor is performed by a contracter who shall have made a contract with the owner of the property, any money

remaining in the hands of the owner upon filing the notice with

remaining in the hands of the owner upon films the notice with the owner is subject to a hen filed.

Where the claim is made against the contractor, notice must be served upon the owner of the amount of the claim, who can-not relieve himself of the liability by making payments to the contractor after the service of such notice.

Every hen shall continue to the exportion of victimaths of the time of films profess, miles archois commenced within that that to the contract of the first hall continue until judgment accuracy been conformed, and for one year thereafter, pending we minest taken 31 and 50. an appeal taken, if any.

#### MILLDAMS.

In all cases of application to the legislature for the passage of laws authorizing the constructions of dains, in or across the streams and waters of this state, which are by law pubble High-ways, the following notice is to be given: The notice shall be given for at least six successive weeks immediately before such application, or before the first day of the sossion at which the same is to be made, in a newspaper printed in the county, or in each of the counties where the objects of such petition are intended to be carried interfect.

orgers or such permon are interned to be current into effect.

Frivate waterways can be constructed on land owned by person
erecting dam, but such constructing must not intertere with the
rights or property of other persons on the stream above or below dam

MINING

The statute provides that the following lands are and shall be the property of the people of the state, in their right of sovereignty:

1. All mines of gold and silver discovered within the state,

2. All mines of other metals discovered, or hereafter to be dis-

1. All mines of gold and silver discovered within the state,
2. All mines of other metals discovered, or hereafter to be discovered, upon any lands owned by persons not being citizens
of the United States,
3. All mines of other metals discovered, or hereafter to be
theseovered, upon lands owned by a citizen of the United
States, the orient of the lands owned by a citizen to the United
States, the orient of the lands of the United States, the orient lands of the lands after directed.

No person discovering a mme of gold or silver within this so person asservering a mine of good or saver within this state shall work the same, until he give notice thereof, by intor-mation in writing to the secretary of this state, describing par-neularly therein the nature and situation of the mine. Such notice shall be registered in a book to be kept by the secretary

for that purpose.

In all cases in which a person or persons shall have discovered

notice shall be registered in a book to be kept by the secretary for that purpose.

In all cases in which a person or persons shall have discovered a name or names, and become entitled to work the same, such person or persons shall form a corporation; if the consent in writing to enter upon and break up the lands of any person in or writing to enter upon and break up the lands of any person in or or the absence of such person from the state, or other legal disability of the owner of such lands, the said corporation so formed hay enter upon or break up the lands of such person for the purpose of working such hands, the said corporation so formed hay enter upon or break up the lands of such person for the purpose of working such hands, the said corporation so to make a such as a such as such person for the purpose of working such hance or names in the name of the purpose of working such hance or names in the name of the purpose of working such hance or names in the name of the purpose of working such the consumers of the hands and obtaining an electron of the lead of the said of the said in the name of the casement as the person of the lead of the said in the said read of the lands and obtaining a grant thereof from said commissioners, who are authorized to make such grant and file the ferris thereof.

There is no provision as to what the said required to the action of the lead of the said in the pertino in the suprome court, setting forth the tacks on which they claim such peritor to the court. Notice of the film of which they claim such rights and the reasons which prevent then content may appoint three distincterested persons as commissioners and, and report to the court. Notice of the film of which the court may appoint three distincterested persons as commissioners and and proper to the court. Notice of the film of which they claim such rights and the reasons which prevent their owners into the matter, ascertain and its very personally upon the courter of the lands of the courte where the name of mines are s

- The existence of the mine or mines proposed to be worked.
   The names of the parties owning the land in which the mine or mines are situated, and the owners of the adjacent lands, so far as they are affected by the application, and the nature and value of their interest in the same, individually, A map of such lands from actual survey, by metes and bounds, shall accompany the report.
   An estimate of the damages to such conservation of the contemplated warm decomposition of their lands.
   The report of the commission shall be made within reasonable time fixed by the court, and an order made either denying the petition or granting it, and determining the amount of land necessary, the damages to the property and the annual rent or each.

petition or granting it, and determining the amount of laid necessary, the damages to the property and the annual rent or the compensation to be paid to the owner, lesses or occupant thereof personnel of the paid to the owner, lesses or occupant thereof upon the company in whose favor the order shull be annually upon the rent and the same, upon payment of the damages, and upon entering into an agreement, to be approved by the court, to pay the annual rent or the compensation and damages thus determined, shall have the right to enter upon and occupy and use the land set quart by such order, so long as they or their assignees shall work the said mine or nines, and shall pay the said annual rent or compensation.

#### QUARRIES.

On this subject there are no statutory enactments, the owner of the property being entitled to excavate for quarries the same as other real estate owned by him.

## NORTH CAROLINA

Compiled by WALTER E. MOORE, Aftorney at Law, Webster, N.C.

#### CORPORATIONS.

Co-porations for mining and manufacturing may be formed before the elerk of the superior court, and may hold land, and not to exist longer than sixty years. The articles of agreement shall set forth.

- of forth.

  1. The corporation name,
  2. The business proposed,
  3. The place where it is proposed to be carried on,
  4. The length of time desired,
  5. The names of persons who have subscribed,
  6. The amount of the capital and the number of shares and amount of each.
  These articles shall be under the hands and seals of the parties

These articles shall be under the bands and seals of the parties applying for such corporation.

Powkies. To such and be sised by its corporate name; to have a common seal; to render interest of stockholders transferable; to exempt the private property of stockholders from liability for corporate deficts; to make contracts, acquire and transfer property; but all contracts involving or intering a liability for entry of the common seal, and mount of the global seal of the proper officer of the corporation or under the common seal.

A corporation may be dissolved as follows:

- A corporation may be dissolved as follows:
- For any abuse of its powers to the injury of the public or of the commutation, or of its creditors or debtors. For non-user of its powers for two years or more consecu-
- tively. For insolvency manifested by the return of an excention meastisfied upon a judgment against the company docketed in the superior count of the county where it has its only or principal place of business.

  I from any convection of the company of a criminal oflense, it such otherise be persistent.

LEENS.

Material men have a horson every building, let, farm or vessel for materials formshed by them to build, repair or remove. The fields the vesses the foot of which the building our improvement is made, and as superior to any lien or incumbrance created after the materials are furnished. The claim for a lien must be filled in the office of the clerk of the superior court within twelve months after the materials are furnished. The claim to a bill of the vertical and miss contain the names of the parties, a bill of the vertical and miss contain the names of the parties, a bill of the removerty on whech a lien is elatimely; and if there be a special or a written contract, its terms must be stated. To enforce the hen a suit must be begun in the superior court within six months after the hen is idled. Subscontractors must not only life hen, many hower with statement of amount due. Owner may find mission of the moteration. Owner heavy frame enough out of contract price to pay material men. Owner cannot be held liable to subcontractor or any greater sum than was due contractor when notice is given him of the claim of a lien by subscontractor.

#### MILLIDAMS.

Anyone desiring to creet a mildam on a stream of which he owns one side and part of the bed, and who cannot agree with the owner of the opposite bank as to the amount of damages, may file a pertition in the superior court of the county where such dam is to be erected, and the court will appoint three disinferested persons as commissioners who will assess the damages. After

payment of all damages and costs, the applicant will have a right to begin his posstruction.

payment of all damages and costs, the apparent with race a right to begin his construction. LSG (iv. ro DAVS). Whoever shall cut away destroy or injure any dam, or who shall best met any race, canal or water channel used for firmsdung water for any full, factory or machine works, shall be subject to both fine and huprisonment and also to a civil

Section by the party matured.

One-rite (1988) or STREAMS. It am person willfully fells any tree or puts any obstruction in any branch, ereck or other stream, whereby mayigation or such stream by any ratt or flat may impeded, delayed or prevented, he shall be subject to a time not to exceed Schot impressioned not to exceed thirty days.

### MINING.

All leases and contracts for leasing land (or the purpose of dig-All herses and contracts for leasing land for the put poss of dig-ging for gold or other numerals or for imming generally, c1 what-ever duration, shall be void, unless put in writing and stensel by the filter of the law mily and/brized. Lessors of numes not partners with their bessers, unless they so contract. Any person or body corporate engaged on about to engage in mining, who may find it necessary for the furtherance of his of its operations to convex water either to or from his or its nume or mules over the kinds of necessary for the Intrherance of his of its operations to convex water either to of from his of its him or in mis nover the kinds of any other person or persons, may make application by pertition withing to the elevel of the superior cant of the county in which the kinds to be affected, or the greater part, are situated, for the right so to convey the said water. The pertition shall specify the kinds to be affected, the name of the owner of said kinds and the character of the didth or drain introduction may be able to owner shall be made party, seems the damage to the owner of said kinds and the convert shall be made party, seems the damage to the owner of said seasons and the party must hist pay or tender the damages so assessed, when he will have tall train and power to ender and construct said ditten or drain. Any person obstructing said didth or drain. Shall be guilty of a misthemenner.

The working of mines will not be enjoured in North Carolina, but a receiver may be appointed to take charge in case of higher time, where it appears the party in possession is soft doubtital ability to respond in damages of the be east in the action.

# NORTH DAKOTA

Compiled by SPACIONG & PHILLIPS, Attorneys at Law Targo,

### CORPORATIONS

CREATION. A corporation may be created by state 6, which may be special for a particular corporation or general for a

number of corporations.

number of corporations.

Every grant of corporate power as subject to alteration, suspension or repeal, in the discretion of the learstature.

Theorporation of right becarerise corporate powers shall not be collaterally attacked in any private suit, but such inquiry may be made in an action brought by the state.

Every corporation must have a sorporate name, which it may change at its pleasure.

Corporations are either public of private. Public corporations are formed of organized for the govern ment of a portion of the state.

Private corporations are formed for the purpose of religion.

benevolence, education, art, literature or profit, and all corpo-rations not public are private. The instrument by which a private corporation is formed is railled "articles of meorporation" or "sertificate of accupanta-tion," and one third of the others sof such corporation must be

residents of the state. residents of the slate;
Private comportations can be formed by three or mote persons for the following purposes via: Manner, manufacturing and purposes via: Manner, manufacturing and roads, wagon, roads, arrigating ditlets, for calleges, semination roads, with the construction and operation of training the property of the property o

guarantee associations.

No corporation for charatable or religious purposes shall hold real estate to exceed the value of \$50,000.

Arfaels of meorporation must be prepared setting forth Name of corporation, purpose for which formed, place where principal business is transacted, term for which it is to exist, number of directors and names and residences of such as are to surve until electron or otherest at there be a capital stock as amount and the number of stores into which it is divided.

Arfaels of meorporation must be sinced by three or more persons, one-third of whom must be residents of this state, and must be grapowledged by they or proper officer.

persons, operfund of whom must be residents of this state, and must be acknowledged by tore a project officer.

I pon the filing of the articles the secretary of state must issue a certificate that articles of incorporation have been filed. Thereupon the persons signing the articles become a body corporate for the purposes, and of the name stated in the articles. The secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the articles of meory of the secretary of state must also record the secret

Certified copies of the arrieles of incorporation from the sec-retary of state must be received in all courts as prima facilities evidence of the facts therein stated and of the existence of the corporation.

Proof of the existence of a corporation shall not be necessary unless the same is expressly denied.

CORPORATE STOCK. After the certificate is issued by the secretary of state the directors must open books for subscriptions of stock, and secure subscriptions to the full amount of the fixed capital, and may levy assessments and installments and collect the same.

When so anthorized a corporation may fortest slock for non-axment or recover the amount of any subscription by suit, but cannot do beth.

All corporations for profit must issue certificates of stock when fully paid up, signed by the president and secretary. Shares of stock so issued are personal property and may be transferred by indorsement, but such transfer is not valid, except between the parties, until the transfer is recorded in the books of the corpo-

A corporation whose capital is limited cannot issue stock in excess of the limit.

A corporation may purchase, hold and transfer its own stock, from its surplus profits.

A dividend belongs to the person in whose name the stock stands on the books of the corporation on the day when it be-comes payable.

comes payable.

Corrison Vita Fowel ris. Every corporation as such has power to have succession by its corporate name for the period limited, or, if there is no limit, perpetually, to sue and be such, to make and use a common scal, and after the same at pleasure; to purchase, hold, transfer and convey teal estate and personal projectly, to appoint such subordinate officers and agents as the business of the corporation may require, to admit stockholders or members, and to self their stock, to enter into any obligations or contracts essential to the frameartom of its ordinary admission.

contracts essential to the transaction of its ordinary affairs. Every corporation must within one month after filing its atticles of meorporation adopt a code of by-Baxs.

A corporation may by ats by laws provide. The time, place and manner of calling and conducting its meetings; the number of stockholders or members constituting a quorum, the mode of volung by proxy, the time of the animal election of directors, and the mode and manner of giving notice thereof, the compensation and duties of officers, the manner of election and tenure or othereof affects of the directs of the than directors, and smalled penalties for violations of by laws, not exceeding, in any case, stortor cache offense. stoo for each offense

shortor cach offense.

All by laws adopted must be certified by a majority of the directors and the secretary of the corporation and copied in the book of bylaws, which shall be open to the inspection of the piblic. By a two-third-vote the bylaws may be amended or my bylaw repealed at an annual meeting or one called for that

purpose. The directors must be chosen annually, and all elections must be by builtot, each share or stock entifling its holder to one vote. All corporate powers, bismess and property must be excersed and controlled by a board of directors, consisting of nod less than three nor most than eleven. Directors of a corporation toraprofit must be stockholders in an amount to be fixed by the by low so the corporation for corporation.

laws of the corporation.

Immediately after their election the directors must elect from

Immediately after their election the directors must elect from their own number a president, secretary and treasure. A uniforty of the directors form a board, and every descent or the majority of the directors form a board, and every descent or the majority of the directors form a board, and every descent or the profiles, nor must they divide, withdraw or pay out any part of the capital stock, not create debts beyond the capital stock, Directors yielding these provisions are hable to the corporation and its creditors jointly and severally for the tuffal amount divided.

withdrawn or paid out.
Others, making take certificates, official reports, public notice oneers making gaise certificates contained as proportion shall be hable for the damages resulting fluetetion.

No director shall be removed from other except by a two thirds rote of members or stockholders holding twellinds of

A full elections or votes had for any purpose, there must be a minority of the subscribed expulsibles or of the members, repre-sented either in person of by proxy, in writing. Every person acting therein, in person or by proxy, must be a member thereof, or a bountifiel stockholder, having stock in his own name on the stock books or the corporation at least ten days perior to the

stock books of the corporation at least len days prior to the election.

Every stockholder in a corporation is personally liable to the field of the corporation to the extent of the amount that is impact upon the stock held by lime.

Every corporation may mercose or diminish its capital stock at a meeting called by that purpose by the corporation may here are not sufficiently and their business throughout the probability of the property of th

It voluntary, its dissolution may be effected by its voluntary application to the district court for that purpose.

It a corporation does not organize and commence the transac-

tion of business within one year from date of its incorporation, its corporate powers cease.

tion of business within one year from date of its incorporation, its corporative powers cases. After one-fourth of the capital stock has been subscribed, the directors may levy assessments upon the subscribed stock, for the purpose of paying debts, paying expenses, or conducting business.

No assessment must exceed ten per cent, of the amount of the stock named in the articles of incorporation unless the whole to pay its debts, when the assessment may be for the full amount unpaid. Railford corporations may assess stock ten per cent, per mouth, and mutual life, first and marrine insurance. Every order levying and assessment must she even the per cent, per mouth, and mutual life, first and marrine insurance. Every order levying an assessment must she given the amount, when, to when and where payable, and fix a day upon which unpaid assessment shall become definiquent.

Notice of assessment must be personally served on each stackholder, or some to him by mail, and same must be published for lour weeks in a newspaper published at the principal place of bissiness of the corporation.

business of the corporation

onsiness of the corporation.

If assessment are unpaid, notice of sale must be published in the same paper for ten days of in a daily, or two weeks in a weekly, specifying certificates, number of shares represented, and amount due thereon.

By publication the corporation obtains jurisdiction to sell stock

By publication the corporation obtains jurisdiction to sell stock upon which assessments are impaid.

Stock must be sold at public anction on the day and place manned in the notice to the highest bidder for cash.

The statement of the sold at public anction and costs for the statement of the statement and costs the stock may be bid in by the corporation, and becomes its property, and while so held is not subject to assessment, nor can any dividend be declared thereon.

No action can be sustained to recover stock so sold unless the party seeking to maintain such action shall first lender the sum been until thereon, and interest on such sams from the date of been paid thereon, and interest on such some from the date of payment.

payment.

EXAMINATION OF CORPORATIONS.—The legislative assembly
may examine into the affairs of any corporation at any time, and
the committee appointed by such legislature shall have power to
administer outlist to the officers of such corporation, and examine
them as to the condition of the corporation, and may compel
the production of all keys, books, papers and documents.

#### LIFYS

Every uniner or other person who, at the request of the owner or owners, or his or their agents, of any bode, bead, heige, nine or deposit bearing gold, chandlar or copper, or of any coal bank or nine, or at the request of any contractor or subscontractor, shall perform any labor or turnsh any material in or about such mine, shall have a fleen upon such mine, to seeme the payment or the

or other persons performing labor or furnishing any Amners or once; persons performing about or turnsming an materials to a contractor may turnsh an attested copy of their account to the owner of the nume or his agent, and he shall return the amount thereof out of the first subsequent payment to the contractor for whom the work was done or materials furnished.

The owner shall turnish the contractor against, whom account

instead. The output shall turnish the contractor against whom account. The output shall turnish the same and the fails or returnes to disputed had so the same and the fails or returnes to disputed had so have the same adjusted, he shall be deemed to have assented thereto.

The amount which may be due from any contractor to his steblion may be recovered from the owner of the mine, by the creditor or the contractor to the extent in value of any balance he ty the owner to the contractor, at the time of the notice of many person claiming a lieu shall make his account in writing, and, after making oath thereto, shall within skyl days from the date of the last item of the account file the same in the office of the clerk of the district courf, film, at the same time a correct description of the property to be charged with the hen, and the same shall for one year from the turnishing of the last them of the account lead of the same shall be made in the clerk of the district copy of same shall be filed with account and oath.

The holder of a hen may proceed to obtain judgment for the amount of his account in eval actor, and during the pendency of his action the hen sued upon shall still continue.

## MINING

Location and Size of Claims, Length of lode claims may equal but shall not exceed inteen hundred need; width shall not exceed in the hundred and litty test each side of the center of vein. Any county may by majority vote at a general election make a terror of less, but not less than twenty due for each side of either. The discoverer of a lode must within sixty days from discovery record his claim in the office of the register of deeds of the county in which the lode is located. The location certificate must show the name of lode, faine of heactor, daily of the county in which the lode is located, the location certificate must show the name of lode, faine of heactor, daily of beation, number of best in width claimed and large little produces the discovery must be affected in visits.

There is thus certificate the discoverer must locate claim to said.

Before tiling certificate the discoverer must locate claim by sink-ma discovery, shatt, and post on surface notice containing name of

lode and other particulars as required in certificate, and must mark surface boundaries of claim.

mark surface boundaries or chain.

Surface boundaries must be marked by posts, set one at each corner and one in the middle of each side and end, marked on side next to claim with the name of lode, and the corner end or side they respectively represent.

The discoverer shall have sixty days from the time of discovery of lode to sink a discovery-shaft.

The location certificate shall include all surface ground within the surface lines thereaf, and all lodes and ledges throughout their entire depth, the top or a pex of which lies inside such lines extended verteadly, with such parts of all lodes or ledges as continue by dip beyond the side-lines of the claim, but shall not include any portion of such lodes or ledges beyond the end-line of the claim, nor beyond the side-lines except by dip of the lode. When the right to mine its separate from the ownership or right of occupancy of the surface, the owner or occupant may demand satisfactory securism of ir classed may enjoin the miner, an amended errificate, provided it does not conflict with existing rights. Re-location does not preclude the locator from proving tille under his previous location.

To hold possession of a mining claim 500 worth of work na i The location certificate shall include all, surface ground within

To hold possession of a mining claim \$100 worth of work mu ( be done or improvements made each year,

Re-location of abandoned claims shall be by new discovery-shaft and fixing new boundaries, and the location certificate must state that the whole or part of the new location is on abandoned proj-

No location certificate shall contain more than one location.

No location certificate shall contain more than one location, whether made by one or more location actions wherein the title or right of possession to mining property shall be in dispute, the indee may upon application order both a surface and understanding the possession of the district court have power to issue writs of injunction for affirmative relief, having the force and effect of a writ of restitution, restoring any person to the possession of mining property from which they may have been ousted by force or trand, such writ to extend only to the right of possession, leaving the parties to their legal rights as though no such writ had issued.

RIGHT OF WAY. Proprietors of mining claims have right of way across lands of others for road, ditch, flume, shaft or tim-nel, provided such claim is so situated that it cannot be worked without.

If right of way cannot be secured by agreement, the same may

If right of way cannot be secured by agreement, the same may be had on petition, duty verified, to the district court, setting borth the facts, and demanding the relief sungit.

The facts and demanding the relief sungit.

The facts and demanding the relief sungit.

The facts are set when right of way is asked, to show cause why such right of way be not granted.

If the pudge is satisfied on hearing the proof that right of way should be granted, he shall make an order to that effect and shall appoint appraisers to assess damages to kinds affected by

his order.

The commissioners—shall examine the premises and report

The commissioners—shan examine the premises and report damages to the court. Upon payment of the assessed damages, the petitioner shall be entitled to the right of way asked for and to enter upon the premises and erect structures or dig excavations.

Appeals from appraisal may be made to the court, and there and by the court or a jury.

The property of the applicant for applicant for the control of all the property of the control of all the property of the control of all the control of a property of the property of the control of the

When the owners of land have no available water facilities when the water's or and nave no available water formulaes upon them, or if the land is too far removed to use the waters of such stream or creek, such owner shall have the right of way through any piece of land for the purpose of conveying the water from such stream.

from such stream.

Right to dig water-courses shall only extend to such digging as a necessary for the purpose required.

In all controverses respecting the right to water, the same shall be determined by the date of appropriation as made by

the respective parties.

Waters of streams may be made available to the full extent of

their capacity, without regard to their deterioration, quality or duniuntion in quantity, so that the same do not materially affect or impair the rights of their prior appropriator. Damages caused by diagong diffehes or building flumes shall be

rounders caused by augming memes of miniming finines shall be paid by party committing the impay.

Ditches or other artificial water courses across highways shall be bridged and water not allowed to damage such highway, under penalty of line of \$100.

negaty of time of \$100.

Party appropriating water shall dig at least twenty feet of dicta and turn water from stream therein within thirty days from date of appropriation, and shall dig or construct weak trom date of appropriation shall did be death of which we within twenty days of dictal or time within six months, and within twenty days from appropriation shall file location certificate with registers of deeds, and shall post a copy of location certificate at head of dited, which shall contain name of location date of location and number of methods of water channel.

Failure to commence construction of dited or times had to

Failure to commence construction of ditch or fluine shall be

considered abandonment of appropriation.

## $\Theta \Pi \Pi \Theta$

Compiled by ROBERT E. M. KISSON, Attorney and Counselor at Law, Mercantile Bank Building, Cleveland, Olno.

#### COEFGRATIONS

Under the constitution, corporations can only be formed under general laws. Each stockholder is liable on his stock for any amount unpud thereon, and to a further amount equal to such stock, But by \$1.0, L., 54, a corporation may provide that each stockholder shall have but one vote, in which case he shall not bodd or own stock in excess of \$1,000 face value.

In the shall have but one vote, in which case he shall not bodd or own stock in excess of \$1,000 face value.

In the shall have been shall have been considered to each make a significant of the shall have been shall be shall have a capital stock. A corporation for profit is formed by any number of persons and best families and analysis of deeds, articles of meorporation, which must contain.

I. The manner of the corporation which shall begin with the word "The" and end with the word "tompany," indeed the organization is not to profit.

organization is not for profit.

2. The place where it is to be located, or where its principal

organization is not for profit.

2. The place where it is to be located, or where its principal bissness is to be transacted.

3. The purpose for which it is formed.

4. The amount of capital stock, and the number of shares into which the stock is divided.

The amount of capital stock, and the number of shares into which the stock is divided.

The amount of capital stock, and the importance is no constituct an improvement in of located at a single place, the articles of incorporation must show the kind of improvement intended, the termin of the improvement, and the counties in and through which it of the transfers shall pass. The articles of association alterestial are required to be filled with the secretary of state, who is required to record them, and copies thereof did high dividentied are grain and copies the consistency of the state of the persons and articles of incorporation constitutes the persons therein named, by the name and style therein mentioned, a body copie rate with the usual corporate powers. An installing in of ten per cent on coach share of stock is payable at the time of making the subscription, and the residue thereof shall be paid in such install ments and at such times and places as may be recurred by the scribed, the subscribers of the articles of incorporation shall so certify to the secretary of state in writing. The shall call a menting of the stockholders to the election of the bond of directors giving thirty days' notice thereof in a newspaper published of generally circulated in the county of counties where the books of subscription are to be opened. The number of directors shall to office and the time involved to the annual election, and mult then office and it is a many appearance of such meeting of the subscription and qualified but notice of such meeting of such meeting. subscription are to be opened. The number of directors shall be not less than five not more than inteen, who shall continue in office until the time fixed for the armina developin, and multi-frequently the time fixed for the armina developin, and multi-frequently the fixed for the armina developin, and multi-frequently in the armina of developin of directors have been subscribers are present in person of by prove. The incorporators are made higher for any defenence in the actual payment of the above amount of len per cent. A majority of the bound of the rectors are required to be entirens of the state, and all directors and all exceptions of the state, and all directors and all exceptions of the state, and all directors and all exceptions of the entire times the ladder of the state of th

corporate scal of the company setting torth the particular branch or branches of the manufacture of iron in which it purposes to engage, and the place or places where the business, or any part thereof, is to be located, the same to be verified by the oath of the president and acknowledged, certified and forwarded to the serverary of state, and theremson the meaning of the president and the same the serverage of the secretary of state; and thereupon the company may carry on the business named in such certificate, in addition to the business named in the original articles of incorporation. (74, v. 21, Chapter

11, Section 1.1

MAY RI 11.D v R villago v.D. Companies organized for the purpose of mining, quarrying or manufacturing may, when such jurpose is stated in the articles of incorporation, construct a railroad, with a single or double track, with such sidefracks, furnitional, with a single or double track, with such sidefracks, furnitional control of the control of rouns, offices, suffices the property of the property of the property of the metroporation, from any mute of the property of the metroporation, from any mute, offices, to any other radical, of any canal, slackwafer navigation of other navigation are property within or upon the borders of this state, and shall, in respect to such radical, be subject to and governed by the provisions of Chapter H. (53.8), 103, Section 3.1

#### DAMS, WATER-COURSES, ETC

Danis, water-courses, sewers, dilicles, etc., located on other than public lands of the United States, are governed by the ordi-nary titles applicable to real estate. Danis, water courses, sewers, ditches, etc. may be established upon anyone's property providing the same does not comilied with or migrate the galist and interests of adjoining property owners in such water-courses at the same may be established in or so connected. The county into the same will be conducive to the public health, conten-ience or welfare, upon petition of the owners of any lands ad-joining or adjacent to any stream of living water, remove any obstruction that may funder the tree passage of water in the natural channel of such stream. His turther provided by status, that water ambilian experience has so commenced for more than ten years without attempt to reput or tebuild the same, the county commissioners of any county in which the same is located may. conjursation arguing to repair of remna messane, incroming commissioners of any county in which the same is located hay, without baream or compensation, cause the same to be removed, and the water-course upon which it is located cleaned out and improved, and then from such time all rights shall cease and be

A person who performs labor or turnshes machinery of material for constincting, altering or repairing a bont, vessel or other water early of recensive in the many particles of the person of the manufacture of the many particles of the many many forms or forms a first of the recently of any forms of any particle of the whole or in mining coal, by virtue of a contract with the owner or his author fived agent, shall have a horizontal with the owner or his author fived agent, shall have a horizon the payment of the same upon said boat, house, name, etc., and the interest of the owner in the lot or land on which the same may stand or be located of to which it in the lot of land on which the same may stand or be located of to which it may be removed. (R. S., Section 184), within foot such machinery or material, the with the recorder of the country where the labor was performed, or the machinery or material, and a description of any ptomissody note or nodes given therefor, or any part thereof, with all crods and other is the contract, if a marting, a statement of the amount and fines of the country, and the horse or other building. Structure, gas, old or other well may stand, or be becated, or to which it has be removed, and the same shall be recorded in a separate book, and shall operate as a lieu from the date of the first ten of the labor performed, of machinery, and material turnshed, upon or toward the property, and the interest of the owner in the lot or hand upon which the period of the instance shall interest on the owner in the lot or hand upon which the period of the instance shall be recorded in a separate book, and shall operate as a lieu from the date of the first ten of the labor performed, of the period of the instance of the machinery and material furnshed, upon or toward the property, and the interest of the owner in the lot or hand upon which the recorded in a separate book, and shall operate as a lieu from the date of the first ten of the labor performed, of machine performs on the same not stand up

octing such notice, the owner shall relam in his kinols all subsequent payments from the principal or head contractor, upon the contract of 41.8., 36x and 303.

Employees of persons or exporations, where the employment is in agriculture, mining, manufacture or other manual above, have a fine upon the real property of employers for wages, superior to the hear of attachment thereon, during the existence of such in paid labor claim, to hear of more atmatums of the delater, or given to prefer creditors, or to seeing a precysion gold, at and superior to claims for homestead, or other examples of the delater, or given to prefer creditors, or to seeing a precysion gold, at and superior to claims for homestead, or other examples of the delater, or given to perform the second form of the performed within three months prior to appointment of such as signey, etc. shall be paid next after claims for larges and esst of administration. To acquire such a ben it is necessary to hie,

within thirry days from the expiration of said three months, with the recorder of the county, an itemized statement of the claim. When the heir has been this secured, it will continue valid for one year from such fling, and to the end of any action begun within that time to enforce such hen. (80.0 L., 183.)

#### EIGHT OF WAY.

All mining, quarrying etc., claims shall be subject to the right of way of any diled, flume or sewer, etc., for mining purposes, or any transway or road, etc., provided such right of way shall not be exercised against any location duly made and recorded and not alandoned prior to the establishment thereof, without consent of the owners, except by condemnation. Mine owners have the right to appropriate private property to such extent only as to work their mine according to the state law; that is, as to shafts, outlets, cases, etc., giving workingmen dis-tinct means of ungress and egress.

# OKLAHOMA TERRITORY.

Compiled by WILLIAM BLINCOF, of Wm. Blincoe & Roy Hoffman, Attorneys at Law, Guthrie, O. T.

#### CORPORATIONS.

CORTONATIONS.

CIPEATION. Provide corporations for mining, quarrying, and other business purposes are created by filing with the screening of the ferrious going of the articles of incorporation, setting of the ferrious propose, principal place of business, term, uniform the name, purpose, principal place of business, term, uniform, and a surface of the corporation and the amount of capital stock and number of shares, which articles must be subscribed by at least three persons, one-third of whom must be residents of the territory, upon which the secretary of the territory issues the ecrificate of incorporation. A corporation must begin business of the secretary of the territory business of the corporate power is subject to afteration, suspension or repeal in the discretion of the legislature. They may be dissolved in the usual way.

OFFICES. There must be not best than three nor more than eleven directors, who shall be elected for one year and shall be tookholders. No dividend shall be declared except from surface and the capital stock, or create any dold beyind the capital stock, and be hable to any person for all damages be now sistant. he may sustain

STOCKHOLDERS. Each stockholder of a corporation is individually and personally hable for the debts of the corporation to the extent of the amount that is impaid upon the stock held by the exercion for amount that is unique upon the stock heat by him. The capital stock may be interested or diminished by a two-thirds vote, but shall in no case be decreased to a less amount than the included tedness. Stock is negotiable, but only affects third parties when transferred on the books of the association.

The legislature may at any time cause an investigation of the affairs of a corporation. A corporation must keep a record of its business proceedings, which shall be open to every member and

cheditor.

MINING AND MANIFACTURING COMPONATIONS. Such cor-porations are organized as other corporations and are subject to their duties and habilities, but their term of existence shall not exceed (wenty years). The purpose of the organization must be

exceed twenty years, distinctly stated, STOCKHOLDFRS, S exceed twenty years. The purpose of the organization must be distinctly stated.

STOCKHOLDTES. Stockholders in such corporations are jointly and severally hable in their individual capacities for all debts due to mechanics, workmen, laborets employed by such corporations, and six of liability may be enforced at any time after an artists, and such lability may be enforced at any time after an artists, and the stockholders are hable for contribution to each other.

REPORT. EVELY SUCH corporation must once each year publish a statement of its business, indebtedness and profits.

Such corporations may have their business office within the strutory. They may have a right of way for run a tunnel to any place they may desire. They must begin work within much days from the date of the charter and funds within runcit of the capacition of the charter and funds within porations. If the corporation has its place of business in the territory at shall be allowed four years in which to complete the work. FOREMON CORPORATIONS. No corporation shall transact any business in this territory until it shall have their the first of the territory and authenticated copy of the approximent of such agent shall be highed with the secretary of the territory and with the territory.

Every person who shall do any labor upon, turnish any materials, inachinery or fixtures for any building, erection or other importancing upon land, methoding those engaged in the construction of the construction of the construction of the construction of the contract with the owner, his agent, trustee, contractor or subscontractor, upon complying with the provisions of this article shall have a hen upon such building, erection or imported and upon the land belonging to such owner on which the same is situated, to secure the payment.

A sub-contractor must life his notice of lien with the clerk of A sub-contractor must like his notice of hen with the clerk of the district court within sixty days after the last of said work shall have been done, or material furnished, and an original con-tractor within ninety days; but a failure to file the said notice within the said time shall not defeat the hen except as against purchasets or incumbraneers in good faith without notice, whose rights accurated after the sixty or minety days and before the chain to filen was filed the bouncateal nuless the contract for

the claim for then was filed.

No lien is created upon the homestead unless the contract for the material is in writing, and then it the amount is over \$00 the wife must \$8g\$ if the contract and neknowledge in the same namer as a deed for the homestead. An action to entorce a hen must be beginn in the district court within one year from the filing thereof.

## OREGON

Compiled by ROBERT G. SMITH, Attorney at Law, First National Bank Building, Grant's Pass, Ore.

#### CORPORATIONS.

Private corporations are formed under a general law by three or more persons making, subscribing and acknowledging, as in the case of deeds, written articles of incorporation in triplicate, filing one copy with the secretary of state, one with the county deeds of the compty where the principal office or place of business of the corporation is to be, and retaining the third in the properties of the corporation. possession of the corporation.

- The articles must specify:

  1. The name assumed by the corporation and by which it should The name assumed by the corporation and by winch is nonlabek hown, and the duration of the corporation, if limited.
   The enterprise, business, pursuit or occupation in which the corporation proposes to engage.
   The place where the corporation proposes to have its principal.

3. The place where the corporation proposes to have its principal office or place of business.
4. The amount of card share of such carporation.
5. The amount of cards share of such carbon such as the carbon of such share of such carbon such as the carbon of the such carbon such as the carbon of other water, or making or constructing any rail-road, meadamized road, plank road, card ord, cand or bridge, the termin of such navigation, road or canal, or the site of such iridge.

After filing the articles of incorporation, the corporators open books and receive subscriptions to the capital stock. After one-half or more of the capital stock is subscribed, the stockholders meet and elect directors.

meet and cleet directors.

DIERCTORS. A director must be a stockholder in the corporation and a resident of the state of Oregon, except that in corporations for the purpose of constructing railreads or military
wagen roads, canals or flumes, or carrying on mining enterprises,
or publishing newspapers, or condenting institutions of learning,
a minority of the board of directors may reside out of the state.
Directors must take an earth of office. The directors elect a president and secretary, and such other officers as are required.

POWERS. The corporation has authority by the name assumed in the articles

1. To suc and be sued.

- To contract and be contracted with.

  To have and use a corporate scal, and the same to alter at
- pressure.

  4. To purchase, possess and dispose of such real and personal property as may be necessary and convenient to carry into effect the objects of the corporation, and to take, hold, possess and dispose of all real and personal property domated to such corporation by the United States, or by any state, territory, country, different numerical corporation, or by any person, firm, association or private corporation, for the purpose of aiding in the objects of such corporation.
- 5. To appoint such subordinate officers and agents as the business of the corporation may require, and prescribe their duties and compensation
- 6. To make by-laws not inconsistent with any existing law to 6 To make by-haws not inconsistent with any existing law for the sale of any portion of its stock for definipient or impaid assessments due thereon; which sale may be made without indiament or execution, prouded that no such sale shall be made without thirty days notice of the time and place of sale in some mewspaper in circulation in the neighborhood of such company, for the transfer of its stock, for the management of its property, and for the general regulation of its utiliars.
- and for the general regulation of its atlairs.

  7. In case the object or purpose for which any such corporation is meorperated is in whole or in part to construct, or construct and operate a radiooad, to lease any pair or all asserted to another company incorporate to lease or purchase, maintain and operate any part or all of any other radiocal, maintaining and operate any part or all of any other radiocal constructed by any other company upon such terms and conditions as may be agreed upon between said companies respectively. Any two or more radiocal companies whose there are connected may perfect any arrangement for their common benefit to assist and promote the object for which they were created, provided that nothing in this act shall be construed to authorize the beasing of any radiocal me to any company or corporation owning a road which forms a competing or parallel line to its radiocal. The stack-pludders meet annualty and object directors, who hold
- The stockholders meet annually and elect directors, who hold their other for one year and until their successors are elected and qualified.

Stock. The stock in private corporations is personal property and subject to attachment, execution, levy and sale as such. All sales of stock, whether voluntary or otherwise, transfer to the purchaser all rights of the original holder, and subject such purchaser to the payment of any migral badince due on such stock but of the sale be voluntary, the seller is still liable to existing creditors for the amount of said balance, mises the

existing creditors for the amount of said balance, inless the same be paid by the purchaser.

A corporation balance to have to an advertise and commence the A corporation balance to have the accordance to the corporation balance to the corporation balance to the articles of incorporation, or ceasing to carry on business for six months, fortens its corporate existence. The capital stock may be increased or diminished, or the amount of the slares changed by a majority vote of the stock at a stockholders, meeting called for that purpose.

SUPPLEMENTARY ARTICLES OF INCORPORATION. The di-

SUPPLEMENTARY WITTERS OF INCORPORATION. The di-rectors may file supplementary articles of meroporation when authorized by vote of the stockholders, for the purpose of enginging in our Stockholders. The stockholders are hable for the indebtedness of the corporation to the amount of their stock subscribed and impaid, and no more. Corporations organized for constructing fulfoods, etc., may exercise the right of enmont domain. Land is conformed to their use, and the con-

eminent domain. Land is condemned to their use, and the com-pensation to be paid by them fixed by action in the circuit court. FORMEN CORPORATIONS. Foreign corporations, upon com-plying with the laws of the state, may do business therein as like domestic corporations. Mannenal corporations are created by special acts of the legislature.

Liens for material are given any person firmishing material to Lens for material are given any person furnishing material to be used in construction, alteration for repair, in whole of its part, of any building, whart, trader, fluine, tunne, tener, machinery, yielding metals of numericals of any shad, of any structure of super-structure, of in grading or improving any lot in an incorporated town or eity, for the value of the same, who it much deal at the instance of the owner or his agent.

The land on which the building or improvement is boosted, with

The land on which the building or improvement is borated, with a convenient space around the same, is subject to the lot in to the extent of the interest owned by the person causing the improvement to be made, it constructed with the knowledge of the owner or person having or claiming an interest therein. Such hear is prederied to any unrecorded meantistance or any menu-brance attaching to the hand subsequent to the time materials commenced to be intrushed and placed once adacent to the hand. And the hear shall be an meantistance on the building or other and. The original contraction must the less beautiful to the contraction of the

## MINING

The constitution provides that not binamian in d a p-sident of the state at the adoption thereof shall hold any mining claim of work any mining claim

work any mining claim.

In person or company establishing a lode claim is allowed to possess the land or vein for inteen hindred teet in length and three hindred on each side. The descoverer is aboved an additional claim, a claim is established by posting a notice, good for thirty days, and it recorded before that time will hold claim to the claim one vein that the will hold claim to the claim of the claim of the claim of the claim. thereot.

Within one year after the 1st day of January next following, the bogstion eight claim must be worked to the amount of size. Failure to do such work notices claim. Where several claims are field by one person or reduping all the work to all the claims may be performed on one. I pointhing the affoliavit of one of the owners and those of two disardered of persons to the cited that owners and those of two disant restor persons to me enter that such labor has been pertorned such claims will thereafter be considered real estate and the fifte shall vest in the holders against all others save the government of the I intel States Whiters are empowered to make local laws in relation to water

Miners are empowered to make to all laws in relation to water tights, place claims and flown lots, in mining carried estate. Difference and flumes used for in ring, are declared real estate. Endure to use to one were attential and one mining alternation the state with intent to change residence and remaining absent one year, without excressing ownership over different mining absent attent to slab and transition of the chain to same. The laws rel-ative to sale and transition of the estate apply to difference and flumes. Interest in place funding laims in its becomes one full of sale and delivery of possession as an eyes of sale of or a solid of sale and delivery of possession as an eyes of sale of or a solid property.

# PENNSYLVINIA

Compiled by SHONLY R. MINLE, AUSTREY of Law Wilkes-Barre, Pa.

#### CORPORATIONS

The constitution, in effect January 1, 1874, provides.

That no local or special laws shall be passed by the general assembly rether directly or by the partial repeal of general laws most postfung terry or bridge companies except by a crossing streams which from boundaries between this constitute, see cossing streams which from boundaries between this

and other states), creating corporations, amending, renewing cr attending their charters, or granting them any special or excha-sive privilege or immunity, or the right to key a rathroad track, nor any laws to limit the amount to be recovered for imprise to person or property, nor the time within which suits may be brought against corporations, which time is the same as that well by general laws for similar actions against natural persons.

to wit, six years.

2. That the state may not surrender or suspend its power to tax corporations or corporate property, nor authorize numericalities to become stockholders in turnish money for or loan credit

to any corporation.

That municipal corporations may not meur undebtedness 5. to a manufact corporations may not meat independes expeeding seven per centum upon the assessed value of their fax-able property; and when they do mear indebtedness, must lay a fax sufficient to pay off said indebtedness, with interest, within thirty years.

4. That a corporation is subject to the right of enument domain.

tax sufficient to pay off said indebtedness, with interest, within hirty very.

4. That a composition is subject to the right of cumon domain and may not improve the rights of individuals of the general well-and may not improve the results of the general well-and may not interest by its charter; not hold more real estate than is necessary and proper for its legitimate business, nor rissue stocks or bonds except for money, labor done, or money or property actually received, not increase its stock or indebtedness except in pursuance of general law, nor without the consent of the holds of the property taken by the property taken by the property of the property taken by the property taken by the property the property taken by the property the property taken by the property taken by the property taken by the property of the property the property the property of the property of

any competing line

of any competus line.

10. That the general assembly may after, twoke of annul any charter when they deem it minitions to the entirens of the state but not so as to do imposter to the corporators, but no law emarked after the adoption of the corporations, but not have enacted after the adoption of the constitution shall create, renew or extend the charter of more than one corporation.

11. That associations for the purpose may construct and open at railroads and commet the same at the state line with railroads and mist receive and transport each other's cars, loaded or empty, without delay or describination. Railroads and candidates the common carteristic field of the state insist keep their books therein, open to the inspection of stockholders and exolitions and to the transport cot stock. ors and for the transfer of stock 12. That undue discrimination by common carriers is forbidden

treight and passenger charges, except for committation and exem-sion lackets, must never be greater for any given distance than for a longer one, and no passes shall be given to any except others.

or employes

15. That no radioal or canal company may consolidate with or
2-different and competing line, and no otherers or azents may
have my interest in contracts for materials or supplies.

14. That common cartiers may not emage in any other box-ness, nor hold more real testate than 18 recessary for their box-ness, but any numing or manufacturing company may own a canal or radioal, not more than ultry miles in length.

15. That street radiways may not be constructed without the consent of boxil authorities.

### ALLS OF ASSEMBLEA

CINSAS Corporations are dayled, according to the purposes of their formation, into two classes. The first class, not to profit, which may hold real estate, the yearly meane whereof does not eveed segond, and the second class—including minning, quarrying and similar companies, tot profit.

Torgy trives, A. Charlets of intended corporations must be subscribed by at least five persons, three of them entisens or the commonwealth, and set out the finance, purpose, from of existence, place of business, multider and natures of directors of the first voir, and nature, addresses and number of shares of sale

segments.

2. Notice of intention to apply for a charter of the first class, of the objects thereof, and the time and place of intended applica-tion must be published in two newspires of the proper county, for three weeks, and the petition in knowledged before the recorder of deeds, by at least three of the subscribers, and certi-

recorder of greats, by at least time of the subscribers, and even nod by lim.

3. The potition must then be presented to alay indiae of said county, with proof of publication, and upon examination ap-proval and indorsement be recorded, with his degree of approval.

4 certificates of conjugations of the second class reviews building and bear associations in must, in addition set torth the amount aptial stock, and number and parvalue of shares, the name and address of the treasurer, and the fact that ten per cent, of the capital stock has been paid in eash to limit and the three subscribers making the acknowledgment shall also make an oath or altrimation, to be indorsed on the certificate, that the statements therein contained are true.

statements therein contained are true.

5. Certificates must next be presented to the governor of the state in the same manner in which these of the first class are presented in the same manner in which there of the first class are presented in the contained on the first partial state in the name of said corporation. The original certificate must be recorded in the office of the secretary of the commonwealth (on the payment of \$50, and in the recorder's office of the proper country, and an abstract hereof turnshed to the antidrogeneral, to be recorded.

- in measures, at indicial sales of the property and franchises of corporations are invested with the same, on condition that said purchasers accept trible VVI of the constitution, meet and organize within thirty days of such sale, and intrish a certificate containing the date of organization, name and other tacts con-cerning the new corporation to the secretary of state for record in loss office.
- 7. Executors and trustees may, with the consent of the bene-ficiaries, either by themselves or with others, organize second-class corporations.
- class corporations.

  RENEWAL AND AMENDMENT OF CHARTERS,—1. Charters may be renewed in the same manner in which new ones are granted, but must set forth the fact of renewal, the name of the corporation, the date of the original charter, a certificate under the corporates seal showing the consent of a majority in interest, its timucial condition, its acceptance of the provisions of the constitution and the statute, and its surrender of all privileges granted by the original charter not given to corporations of its class by law.

class by law.

2. First-class corporations may be consolidated and their charters amended by decree of the court of common pleas of the proper county, upon examination and approval by said court.

3. Charters of second-class conjorations may be amounted to the control of the

Powers, 1. To have succession by their corporate name, per-petually, or for the period named in their charters, 2. To maintain and detend judicial proceedings, 3. To have and use a common seal, to be affered at pleasure.

To deal in real estate, within certain limits. To amoint and remove subordinates, and arrange their conpensation.

To enter into any obligations necessary to the transaction of

- 6. To enter into any obheations necessary to the transaction of their ordinary attairs.
  7. To make by-laws enot meonistent with law prescribing muse and places of meeting, powers and diffuse of officials, and penalties for the breach of the latter, not exceeding \$20 × 70 issue certificates of shock under the corporate scale support and countersigned by the treasurer, transfer ables subject to parametrs due thereon, with all the rights half these, etc., of the original holders, but stock without the consent at the director
- of the directors.

  9. To Issue preferred stock, and to issue deterred and pandany stock in payment or exchange for real and personal property, 10. To lay assessments upon shares, not to exceed the amount at which such shares were originally hinited.

  11. To increase the capital stock catter the amount thereof is fully paid in to the amount of \$10,000,000, by a vote, by hallot, of the stockholders, at a meeting held after notice pathished once a week for sayly days at the chief other in the stackholders, at a meeting held after notice pathished once a week for sayly days at the chief other in the stack, called by resolution of the board of directors. It is the and/or increase, return must be made, under out, to the auditor-general, and to the sceretary of the commonwealth to be recorded
- favor of increase, return must be hade, inder oath, to the admitionation of the secretary of the commonwealth to be recorded in the office.

  12. In case of seemi-class corporations, to reduce their stock or charge values or entirely dispose of their stock to other or charge, but no corporation, except from steel and off municipal companies, and no stock of other corporations, except from or steel companies, or hold the same, except as collateral seemity in a prior indebtedness, and no other corporations, speep from or steel companies, or hold the same, except as collateral seemity matority of stock of any common currier.

  13. To borrow more station multi-ages to flustees for bond-holders to an amount not exceeding except in certain classes of corporations having power to borrow to the amount of double that stock one-half of the capilla stack paid in.

  14. To change, by effection, the foreign of the principal office securities, except the except metals except the securities, except of Wareh 34, 1888, Section 4.

  15. To invest their surphis or other mads in certain specified securities, except on the proportion of the principal office for the securities.

  15. To have special poleculer, appointed by the governor.

  15. In case of exhibition companies, to mortrage all their property and tranchises be solid, the purchasers to have the same englits, etc., as the original companies.

19. In case of ship-building companies, to increase their capital stock to the amount \$5,000,000, and receive necessary property in

payment thereof.

OFFICERS AND THEIR ELECTION.—1. Corporations must have a board of directors or trustees come of whom must be president, a clerk, a treasurer (to give bond), and such other olierrs as they choose, the directors to be elected animally, by the stock-holders or members, and the time and manner thereoe a comparison of the comparison of the

(10) ordered, 3. All elections must be by ballot, each share representing one vote: the stock books shall be evidence of the right to vote, and the beneficial owner be preferred to the one in whose name the cheek stock. stock stands.

4. In case of vacancies, in any offices, the remaining directors may fill the same till the next election.

LIMBLATY OF STOCKHOLDERS,—Except in corporations specially provided for by statute, stockholders are individually liable.

eaily provided for by statute, stockholders are individually liable for labor done for corporations, to the amount of the stock they hold, but only when the property of the corporation in the county is not sufficient to satisfy the claims; and holders of paid-up stock are not liable for more than six months' wages.

The property of the corporation in the county is not liable for more than six months' wages.

The property of the corporation may be a seed to the corporation places, upon whose award judgment shall be entered when approved by said court, but in case of failure to agree, the corporation may give a sufficient bond for the payment of damages, whereupon the right to take possession immediately version said corporation.

At TRANS AGAINST CORPORATIONS—L. Notices, and process consider, research, see energy, chief cierk of toil gatherer, of any corporation, or, in their absence from the county, upon the agent, and in case of railroads process may be served upon any manager.

and in case of railroads, process may be served upon any manager

or director.

or director.

A comparison having their principal offices out of this state of the principal offices or real estate are bearfed, or in which any officer or director may reside, and process may be served on such officer or direct or the publication of a copy of the process for six weeks before return day.

3. The sheriff of any country where any corporation has proposed to the process for six weeks before return day.

3. The sherill of any commy where any corporation has property, but no officer or agent, may serve process upon shele corporation in any other county.
4. In cases where judgment is rendered against a corporation, and no goods are found to levy upon, and the plaintill suspects such corporation of baring concealed the same to avoid execution, the court in which the judgment was obtained will issue a division to the officers of said corporation to hasker interroga-

tion, the court in which the indigment was obtained will issue a citation to the officers of said corporation to answer interroga-tories, and, it property be found, a writ of sequestration. 3. Writs or execution against corporations may be executed without stay, in any county, and upon franchises besides the property ordinarity subject to levy. 6. (Orporations having suspended business, or made a transfer or assignment at time of or after service of process, are excluded from the statute of limitations.

of assignment at the of or after stypes of process, are sentential to the state of limitations and the state of the state

4. The capital stock of corporations is transferable on the books 4. The capital stock of corporations is transferable on the books, may not exceed \$1,000,00, and must be divided into shares of not more than \$100 cach, to be deemed personal property. And no shares are transferable until all previous calls thereon are gaid, or until torfeited for non-payment thereof. In case of denult in payment of subscriptions, nor and one-hall per cent, a month additional may be collected by the directors, by suit at law, or the stock of the subscriptions in arrears may be resuld by the directors. No note or other obligation given by a stockholder may be accepted in payment of capital stock, and subscribers in arrears within thirty days preceding an election may not vote at such closely.

interest statistic that y days preceding an election may not vote at much election.

FOREIGN COMPONATIONS, 1, Foreign corporations of the second class doing business in this state, and having three citizens thereof among their stockholders, may become domestic corporations by having approved and recorded. 1. A certificate setting tority of the name, (b) purposes, (c) place of bismess, (d) term of existence, (c) names and residences of stockholders and the immber of cach one's shares, (f) number of directors and mannes and addresses of those elected for the eigenful stock and minuter and part and the control of the control of the electron of the control of th

proper county, and approved and indersed by the governor, showing the consent to such application of a nonline. showing the consent to such application of a majority in interest, and to a reminentian or its original charter, and all prividess not enjoyed by second-class corporations in this state, and certificate to be recorded in the recorder's office or the proper county and in the office of the secretary of the commonwealth, and an abstract thereof furnished by him to the auditor general.

2. A foreign corporation which has become domestic has the same rights, privileges, powers amounties, hands, property and assets as the original corporation, not expressly withheld by general law and its certificate; and all previous claims, etc., for and against said corporations may be such proceeded and col-lected under the laws governing the same prior to the new charter

charter.

3. Foreign corporations may purchase real estate at judicial sales, but may not hold the same more than fifteen years.

4. Foreign class, steel and iron companies may have inctures and other necessary real estate not exceeding one hundred nerves to be subject to faxiation and to the same remaintons as domestic corporations as to amount of capital employed, faxiation of same, and the making of returns to the auditor-general, and the making of returns to the auditor-general companies, and these paying office these and are estigated using the end of the capital in this state, must procue animal facuses from the multi-scale real, paying tor the same one-quarter of one null on each dellar of their capital stock.

of their capital stock.

of their capital stores are the many do business in the state without model and one of the control of the many do business in the state without in office in the secretary of the commonwealth, setting torth its title, object, location of other and name of agent, a certificate of which films must be kept in the office of each agent to public maspection. Not compliance with this law is declared to be a

misdemenner.

7. Foreign corporations may not hold real estate unless spe-cially authorized by law, but the fact that some of the members of a corporation reside abroard does not meapocitate if from holding real estate, if otherwise qualitied.

8. In proceedings against foreign corporations, process may be served upon any officer, agent or engineer, either personally or by copy left at their other, and, when they have an other in any county of hirs state, service may be had upon any officer or word within the count. agent within the county.

All buildings, mines, from works, bridges, etc., are hable to a flat nor the materials used in their election, alteration, improve ment or requir, or furnished under contract with the owner or his then for the materials itsed in their creetion, afteration, amprovement or repair, or turnished under contract with the owner or his contractor, but no hen for repairs may be their distribution to the the same, given when the work begins, not for his strains \$9. The hen also covers the ground on which the improvement stands, and so much more configuous as is necessity for reasonable use. If materials are supplied under resont et made the brightness are supplied under resont et made the format for a materials are supplied under resont et made the brightness and so much more configuous as is necessity for reasonable use. If materials are supplied under resont et made the brightness and the properties of the configuration of the same though and when to effect of the hen a claim therefore must be filled in the office of the profitomotary of the configuration of the configuration of the same that it is a manufacture of the configuration of the c

and a sin remification is not nomine to step in stipmation, masses in a second to the movement of permess various base many bond has a second interest of permessage and hense for material. Some of them only apply to one of two counties. To attempt to give a statement of these many and varied bond leave would serve no useful purpose [4].

### MILLEDAMS

By the common law every person had a right techave a unifical historial hand, so four as he did not minure his neighbors and did to persons when the hand is a neighbor of the control of the persons when the law of the control of the persons when the hand is a large that the persons when the hand is a large partie highways except the belief neighbor hand schaudkall, the tright to have unificants advoid in their concludes, and bead off as much water as they need a but not see as to impede naviar, for more than the person of the historia of the interpretable tradition of the present of the historia of the interpretable tradition.

The constitution (robods the passing of any local or special laws technique labor or macus.

COSSIRT (1108) 3. Tvery mane miss have two outlets, at least one hundred, and not more than twenty persons may work in soil mine at one time before the sceen depends of period of them has before a straightful of them has been abundanted. If need only of them has been addedned. If need only one of said openings may be made on abundanced. If need only one of said openings may be made on abundanced lamps the damages to be assess so do we work in point of the passing of the more than twenty to produce a mant. In slopes of influence mines, having an inclination of

not more than fifteen degrees, separate traveling ways must be provided, tree from gas or steam.

2. Shatts and slopes must have speaking tubes from top to bottom.

3. Machinery must be fenced or protected by railing or other-

- 4. Self-closing doors for purposes of ventilation, and safety holes to protect namers from passing cars, must be provided, 5, Convenient wash-houses must be provided near the entrance for the use of workmen.
- 6. Authracite mines in which more than seventy-live persons are employed must be divided into two or nove districts, under-ground openings of abandoned workings in said mines and the tops of sharts must be properly teneed off, and owners of adjoin-ing lands must be averailment plans of coal in each view on the dividing line.
- TO THE STATE OF TH once in every three months
- 2. To have rules of conduct, approved by the muie inspector,
- 3. To drive bore holes in front and on sides when approaching abandoned or dangerous patts of inines.

4. To provide safety lamins,

1. To provide smelty families. A provide stretcher, in the outraines of all manes. The provide stretcher sufficient immes must provide radings in chargerous phores, props and families access sary to the sarety of unners, and, in certain mines, ambitaines in addition to the stretchers, moreover they must not employ anyone as a miner who has put a certificate of competency from the miners' examin.

MANY ISSEPT FORS. The anthracite and bitiniumous coal fields are each dyaded into eight districts, for each of which districts an inspector is appointed by the governor after examination and recommendation by a board of examines appointed for that particles. Bad inspectors held office his years in the anthracite field and four in the bitiniumous.

The duties of inspectors are (1) to examine names and cofficeries.

The utility of inspectors are 1. To extrime nones and concrete. 2 to attend inquests, 3. Wist phases of and invisit gade accidents, 4. see that all inque laws are observed, 5. keep a record of all visits to numes, 6. take care of all maps, plans, percents and other property of the state, and 51 make annual reports to the secretary of internal alaets.

Gossis Avic Formatty. In all latinumners coal himes com-pelient mining and thre bosses, I see and in authoracte coal himes mine to comen, mist be employed. The said mining bosses must have certificates from the mining performant two three carminets, the said for bosses must be eventual acts from the respector, and the

suid but bosses must have certain aless from the inspector, and the said foreign of a sistant foreign must be registered and have certificates from the secretary of internal affairs, of qualification and server, them had the examination by a board of examines appended to these purpose. The said books proteined to a sistant and affairs of the mask working sed nines. It is the daily of foreign and mains possess of make working as the means of the currents of any and make a report of the amenter the inspector, of foreign near and marks in losses for make daily examinations of all the work

In the anthraeste region there must also be outside foremen, in

In the artificacite region there must also be outside boremen in charge of beside is and outside was form.

In the property of the control of the control of all units, which there there so outside the control of the control of the regions of which must be logical the other of the in-product must provide major options of which must be logical the other of the in-product, and at the collect ylut the algorithm of the mean major major and express all what is the logical three directions which major and express all what is the logical outside with a major and all part of a runners adopt to be administed a major thereof must be

particles that the second of t

and by chang in (8) be kept free from any and water as full anosistics see a 1111 to the 18 My could be comply may, on a consistency of the control of the c

for the congent of creations and consists. According of graves, MENEA, AND QUARTER OF ADMINISTRATES THAT FOR A STREET OF A STREET, A STREET OF A STREE

pany, etc.

COAL LEASTS. According to recent decisions a lease of coal is virtually a sale, and the lessee owns the hole from which such coal has been taken.

COMPANY STORES. Mining companies are forbidden to be in-

terested in or earry or general supply stores, called "company stores," or to lease or sell the right to keep the same on their property. No contract may be made obliging employes to trade

Sources, to to rease a serious to the property, by contract may be made obliging employes to trade at the serious serious princes, Parties injured, and in case of death the whole and lineal heirs of said parties, have a right of action for injuries caused by the violation of mining laws against the party violating

### RHODE ISLAND

### CORPORATIONS.

How FORMED. Corporations are created by act of the general assembly of the state; but the general assembly cannot create any corporation for any other than religious, literary or charitation of proposes until a bull has been presented and another election by the proposes until a bull has been presented and another election public notice of the pendency of such bull, of the purpose of such public notice of the pendency of such bull, of the purpose of such public notice of the pendency of such bull, of the purpose of such public the pendency of such bull, of the purpose of such public them is not pendency of such bull, of the purpose of such publication in some messpaper in the town or countly for three weeks successively preceding the first Wednesday in April after the presentation of the bull to the legislature.

Types ON. Corporations other than those for religious, literary or chartiable purposes or multiday of his companies cannot use petitioners for the charter pay much but the decision of the continuous of the charter pay much public the petitioners for the charter pay much but the petitioners for the charter pay much public state is to be successed and the received as certificate of the state treasurer of the charter pendence of the state treasurer issues any tharter or copy of act creating a corporation or increasing its capital stock until he receives a certificate of the state treasurer issues and that the state treasurer issues a distress warrant against the corporation and delivers it to the sheurit of the county, who selzes the property of the corporation mider it.

Towers of the control pendence of the county, who selzes the property of the corporation indeed in the common seal, owning and convexing property, sing and being common seal, owning and convexing property, sing and being common seal, owning and convexing property, sing and being common seal, owners and convexing property, sing and being common seal, owners and convexing property, sing and being common seal, control and convexing property

one same as under an execution from contr.

POVERS OI. Corporations have the usual powers of having a common seal, owning and convexing property, sing and being sued, making by-laws, electing officers, providing methods to selling shares for non-payment of assessments, and managing their own affairs.

their own addars.

DERITOS OF. Corporations continue for the term for which they were chartered by the legislature, and for three years thereafter for the purpose of closing up their adians.

FEANCHISE. The tranchise of a corporation may be selzed and sold on execution index a mail pudgment if the corporation be one which is entitled to collect folls or other like revenue, and in the event of such such the right to collect sinch foll passes with the without collect such to the passes with the within three months arter scale for polyment of the purchase price with interest at twee per cent, polyment of the purchase price with interest at twee per cent, polyment of the purchase price with interest at twee per cent, and the purchase price with interest at twee per cent, and the purchase price with interest at twee per cent, and the purchase price with interest at when per cent, as the purchase price with means of the purchase per cent, and the proporation is a crime punishable by fine of not less than storier imprisonment not less than one nor more than ten years.

than termines.

1. Solveys, I. I. a corporation is insolvent and neglects to at-tend to its concerns, or its effects are in danger of being lost, or it it has done anxihing which is ground for forfeiting of its learner, the superine court may on petition of any stockholder or creditor decree, dissolution of the corporation and appoint a receiver of

Wwiss To Emilioviss. Every earporation and city must pay the employes every week all wages earned by them up to within must class of such payment, under penalty of line not less than smooth more than strong

The real estate built upon, repaired or improved at the request of the owner thereof is pledical for the payment of materials unshed therefor, subject only to such meanibraness as were outstanding when the work commenced. If the real estate belong its many that the control of the control of the payment of the person making the request be a remain, the leasehold interest is all that can be held subject to the hen. Subscentiactors have the same right or head subject to the ten. Subscentiactors have the same right or head subject to the ten, and fire same with the town elerk of the town where the land is situated within sixth days after the materials are placed on the land. Contractors must the their claim within tour months after detail in payment under a written contract, or within six months after the work as commenced at the rate, the contract of the property on which the hen is claimed, a last of the materials turn-laced and to whom supplied, the name of the owner and contractor of any), the process, the results of any, and the amount owns. The hen must be enforced at the next term of the superior court of the county after length the made parties to the sun. ic real estate built upon, repaired or improved at the request

### SOUTH CAROLINA

Compiled by Elliott & Townsend, Attorneys at Law, Beautort, S. C.

### CORPORATIONS.

Under the general law, two or more persons desiring to norm themselves into a private corporation for the purpose of carrying on in this state any manufacturing, mining, monstrial labor, immigration or other business, except for railroad purposes, may file with the secretary of state a written declaration, signed by themselves, setting forth.

hemselves, setting forth:

1. The names and residences of the petitioners.

2. The name of the proposed corporation; the place at which
the general purpose of the corporation; and the nature of the
business which it purposes to do.

3. The amount of capital stock, the number of shares in which
it is to be divided, showing the par value of each share.

4. Any other matters which it is destrable to set forth:

organic law. Upon filing the declaration as above the secretary of state shall Confining the occurration as anote the secretary or state span issue to the parties or any two of them a commission constitut-ing them a board of corporators, giving them authority to open books of subscription to the capital stock of the proposed com-

pany, etc.
Subscriptions to the capital stock shall be made payable in
morey or in labor, or in property at its money value, to be named
the proposed capital stock has been subscribed by home fide subscribers, the board of corporators shall call the subscribers to
gether, a majority of whom being present shall proceed to the
organization of the company by electing a board of directors
trom among themselves of not less than three nor more than

nine members.

The board of directors shall elect one of their number to be The board of directors shall elect one of their number to be president or the executive officer, and such person as they may see it as serviciny. Upon the compaction of the organization of the company, and the payment to the treasurer thereof of at least twenty per cent, of the capital subscribed with seemity for the remainder of the subscription, the board of corporators shall in writing over their signature certify the same to the secretary of state, who shall issue to the company a certificate of incorporation, a copy of whether extinctes shall be filed and recorded in where such corporation shall have a mission office. The capital stock may be subsequently increased to an amount not exceeding \$1,000,000. ST ONLOUGH

\$1,080,000.

Corporations organized under this general law for mining or manufacturing purposes shall have power to construct and operate a radroad, trainway, turnghise or canal for their own use and purposes, to and from their works or place of business, or to connect with some parkigable stream or some existing railroad, turngake or pathle highway, not to exceed ten miles in length, and shall have the right to condemn for the use of such road the right of way in lands over which the road may pass, on payment of its sumpersation to the water thereof, to be determined in constant of the particular than the properties of the payment failured corporations. See experted Racot, 15.8, E. Rep., 29.

FOREETT BE. All, corporation organized moder this general law shall cease to exist by non-user of its tranchises for five years at any one time.

law shall cease to exist by horieser of its tranchises for five years at any one time.

LIMILITY OF STOCKHOLDERS. Each stockholder in any such corporation shall be noutly and severally hable to the creditors thereof in an amount, besides the value of his share or shares thereof in an amount, besides the value of his share or shares thereof in the time the demand of the creditor was created, provided that such demand shall be hapable within one year, and that the proceedings to hold such stockholder hable be commenced within two years after the eight becomes due and while he remains a stockholder flatie, or within two years after the shall have ceased to be a stockholder, or within two years after he shall have ceased to be a stockholder, any corporations in this state, a different liability has been or shall be imposed.

SPECIAL ACT. AMEXAMENT SYM REFELY. Corporations may

shall be imposed.
SPECLY, ACT AMENDMENTS AND REPEAL. Corporations may also be organized under a special act of the general assembly. All charters under the general law and any charter granted, renewed or amended by act or joint resolution of the general assembly, onliness such act or joint resolution in express terms declare the contrary) are subject to amendment or repeat.

SECONDET OF CONTRACTORS. Except private corporation as such

- has power:

  1. To have succession, by its corporate name, for the period limited in its charter, and, when no period is limited, in per
  - petnity. To suc and be sued
- to sue and be sued.
   To use a common seal, and to after the same at pleasure.
   To hold, purchase, leave, mortgage or otherwise dispose of and convex such read and personal estate as is limited by its charter, and, it not so limited, such an amount as the busi-
- ness of the corporation requires.

  To appoint such subordinate officers and agents as the business of the corporation requires, prescribe their duties and
- fly their compensation.
  To make byshaws, not meons stent with any existing law, for the transfer of its stock, the management of its property, or
- one transfer of its stock, the management of its property, or the regulation of its admiss, To declare and create, by appropriate by-laws, a hen on the stock of any stockholder in such corporation, for such sum as the stockholder is or max be indebted to the corporation for his subscription to stock therein.

A lien is given upon the property, and the land upon which it is situated, to anyone who furnishes materials for the erection or repair of any building or structure or vessel, with the consent of the owner or person acting for him, for the value of such materials, if the improvement is upon land belonging to a married woman, her consent should be obtained. Contractors must serve notice on owner, if such owner is not the purchaser, of their intention to furnish materials, specifically describing them, and that a hen will be claimed. The owner, if other than the party making the contractor that he will not be responsible, and if he does no her will not account the contractor that he will not be responsible, and if he does no her will attach. To make the hon effective a vertiled claim the evolutional materials turnished with prices, and a description of the proposition for the proposition of the of materials turnished with prices, and a description of the property on which a hen is channed, must be filled in the office of the clerk of the court of common pleas within muchy days after the materials are furnished. Foreintered the hen, as at must be commenced thereon within say months after the materials are furnished. These their cannot affect the then of a mortgage existing and recorded at the time of the contract.

### MINING

The statutory law refers to the management and protection of the tights and inderests of the state in the phosphate rock and phosphate deposits in the management and protection of the tights and inderests of the state in the phosphate rock and phosphate deposits in the management of this state and in the markes thereof.

BOATH OF PHOSPHATI COMMISSIONIES, A bound of phosphate commissioners is composed of the governor, attorney-general, complicate general and two entrens of the state, the last two to be appointed by the governor, attorney-general, and computroller-general. The governor is chairman of the board, and three members con duting a proposed of the governor is chairman of the board, and three health of the management of the management of the state in such phosphate rock and deposits, every that the computed for management receives the reports of rock manel and dur, and the royalty paid into the state treasury.

The resists, The board is authorized to grant to all entirens of the state and bodies export at applying for the same heeries granting a general right to dig, name and remove phosphate rock and phosphate deposits from all the navigable streams, waters and hospitality to dig the state of the state and all entire to the state and a sufficient of the state has a sufficient of the state of the state and not previously granted. Such homes shall be for one year, newable at the phesence of the board. The heenises of sequence of the sum of the proper current and payment of royalts. The bond is authorized to require all hecuses to make returns of the number of the same local and to pay a royalty to the state not tevesce by per form of all rocks of the rowalt and residual such to the water that is the rowalt and the control of the payment of the proper of the payment of the state of the control of the state of the control of the state of the payment of the pay

### SOUTH DAKOTA

Compiled by MARTIN & MASON Afford as at 1 or 90 alwood

### CORPORATIONS

FORMATION OF MINING. Afficles of incorporation most set

Name of the corporation.

Name of the depotation Purpose for which it is formed Place where its principal business is to be transacted form for which it is to exist and exceeding (wenty years Number of directors of frustees, and names and it sidences of

such of them as are to serve until the election of such others, and their qualifications

such of them as are to serve until the election of such officers, and their qualifications cock, distances and the number of stars, and which are such as district. He was the subscribed by three or more persons, one tind of whom must be residents of this state, and a cknowledged by each before a notary public, or other officer authors of the take acknowledgments of convexances of red property. At least two of the unormound of sum at also make out in the sigh copy of the morpholar of sum at also make out in the sigh copy of the morpholar of sum at least one of the sum of the sum at least of the property of the sum of the s

The mode of voting by proxy.
Time of annual election of directors, and mode and manner of giving notice thereof and qualifications.

5. Compensation and duties of officers.
6. Manner or election and tenure of office of all officers other than the directors.
7. Suitable penalties for violations of by-laws not exceeding in any rase \$100 for any one offense.
All by-law, must be certified by a majority of the directors and secretary of the corporation, and copied into a book of by-laws, and may be amended by a vote of two-thirds of the subscribed

The directors of the corporation must be elected

annually by the stockholders, and it no provision is made in the by-laws for the time of election, it must be held on the first

byshays for the time of election, it must be held on the first Tuesday in June.

PLACE OF MEFITING. Any mining corporation may provide in the articles of incorporation for having a business office with-out the state at any place within the United States, and to held any meeting of the stockholders or directors of the corporation at such office, but every such corporation must have its main office for the transaction of business within this state, to be also designated in such articles of meorporation.

designated in such articles of meorporation.

LIMILIA OF STO SHOULDERS. Shockholder shall be jointly and severally liable in their individual capacities for all dedishurts mediumes, worknen and laborers employed by the corporation, which liability may be enforced against any stockholder by an action at any time after an execution against such corporation shall be returned not satisfied, provided such action be commenced within four mentles, and provided such action be commenced within four mentles, and provided such action be commenced within four mentles.

stocknowlers shall be comprehen to tax the debts of any creditor, he shall have the right to ead upon all the stockholders to contribute their part of the sum paid by him, and may sue them points or severally, or aim number of them, and recover in such action the ratialise amount due from the person of persons so since. All periods and the root the person of persons so since and the root which we have the first of damany, make a annually, within wenty days from the 18 of damany, make an increase to the place where the business of since he corporation is carried on, which report must state the capital stock, and amount thereof activity paid in, the amount and in ture of its indebted mess, and the amounts due the corporation, the immer and profits. The said report must be signed by the president and a finite of the president and a constraint of the profit of t

tion is entried on. A willful neglect or terisal to make and publish is the report is a mislementary signed by persons own publish is the report is a mislement, signed by persons own in twenty her cert of the capital stock, he must make a witten statement of the attains of the capital stock, he must make a witten statement of the attains of the capital stock, he must make a witten statement of the attains of the capital stock, he must make a witten statement of the attains of the capital stock, he must make an unit of the attains of the capital stock, he must have an unit of the attains a control of the attains of the capital stock, he must have not make the capital stock of the attains a capital stock of the attains a capital stock of the attains the stock of the attains the capital stock of the attains the capital stock of the attains a capital stock of the capital state and the attains and attains a capital stock of the capital state and the attains and the attains and the attains and attains a capital state of the secretary of state and attains a capital state of the secretary of state and tester of decays of the capital appointment of such a sent stall be filed and recorded in the other of the secretary of state of the attains and the attains a contract of the secretary of state of the capital state of the secretary of state of the attains and the attains and the attains and the attains and a

### LHAS

Tayra maner, or other person, who, at the request of the owner or owners, or has or their agents, of any bode, mine or deposit, bearing gold, cumulatar or copier, or of any coal bank or mine, or at the request of any outraction or sub-confractor, shall perform any labor whatever on such mine, or furnish any funder, rone, mais or any other maderials for inhering shafts or breest particularly of many the property of the most ingaporative or machinery, or for any car furde, cars, tunnels, drifts or openings thereon, or shall perform any labor or any timiled, but seems the payment of the same. Here is an end of materials are inherenced to the same and the performance of the same. Here is well inhere performing any work or furnishing any materials under a contract express or made between the owner or owners of such mine or timiled between the owner of owners of such mine or timiled between the owner of owners of such mine or timiled the amount and when the owner of owners of such mine or timiled the amount and when of the work, and labor thus performed, or of the materials does for owners of its of the range of the materials and such and any other or the mineral part of the first such as the owner of such owner or timiled between the amount social, at shall be during a such owner or the interaction shall not when the case of such papers, and it such contractor the amount social, at shall be during the such as a second of the characteristic of the first shall recurse of medical to the such and the interaction of the first shall recurse of medical to the second of the interaction of the first shall recurse of medical to the second of the interaction of the owner of the first shall recurse of medical to the second of the interaction of the first shall recurse of medical to the second of the interaction of the inte

owners may pay the same when it becomes due, and for that pur-pose may deduct the amount out of any moneys due such con-tractor. The amount which may be due from any contractor to his creditor may be recovered from said owner or owners by the ins creation may be recovered from some who is owners or in-creditor of said contractor in an action at law to the extent in value of any balance due by the owner or owners to his or their contractor under the contract with him at the time of the notice first given as aforesaid, or subsequently, according to such con-

tract, or under the same.

Any person entitled to such a lien shall make an account of the What we seem confised to such a heat shall make an account of the tense of halo or material trumished, and, after verifying the same, shall within sayly days after the time of completing such labor, or murshing the last time to material, file the same in the office of the clerk of the circuit court of the country or subdivision which the much is straighted; and also the after same time a correct description of the property to be charged with said heat, and work, or incursing the last item of materials, and for one year thereafter, operate as a hen upon the property charged in such description. When any work or labor has been performed, or materials turnished as aforesaid under a written contract, the same, or a cop, thereof, shall be filed with such account and description. All such fields with such account and description. All such fields which also have been accounted to the property charged shall be made partnes, and the rights of all partness shall be determined by the count.

The toregoing heal has applies to of well-so springs, iron and lead himes as well as all other mines not before specified so lar as the same may be appliedate.

as the same may be applicable

### MILLDAMS.

Any person desiring to rered a millidium upon his own land, and deening it necessary to damage by overflowing, or otherwise, real estate not owned by him, shall present to the judge of any court of record in the county a petition setting forth the place where said dam is to be located, the height to which it will be raised, the purpose to which the water power will be applied, obeying the property of the property of the purpose of the purpose of the purpose of the purpose. An appeal he strom such assessment to the court aforesaid by any party interested, excepting a petitioner, at any time within thirty days from the time of the notification of the filing of the commissioners' report. The appellant shall he in appeal bond in double the amount of the assessment appealed from, in the usual terms, sichers' report. The appellant shall he sin diped bond in double the amount of the assessment appealed from, in the usual terms, entered docharing the right to ever and maintain a millidian according to the petition, and shall be and remain in the petitioner, his heirs and assigns forevar, subject to be lost by a fullification, and apply the water power thereby created to the purposes stated in his petition, within three years, or by failure to keep steel nolls in operation for only ever at any one time. All action for damages occasioned by the erection and maintenance of the millidam shall be brought within two years after the erection of sand dam, provided that such huntration shall not run against or apply to persons bring on and hedding government and interest or apply to persons bring on and hedding government and interest persons of sand and person of the land overflowed shall have been issued. Any person desiring to erect a milldam upon his own land, and

Mining claims shall not exceed fifteen hundred teet along the vein by one hundred and fitty feet on each side of the center

thereot.

Ri com: The discoverer of a lode shall within sixty days from the date at discovery, record his claim in the office of the register of deeds of the county in which such lode is situated by a location certificate which shall contain

The name of the lode;
 The name of the locator or locators;

- The date of Jocation.
   The number of feet in length claimed on each side of the dis overy-shaft. The number turmber of teet in width claimed on each side of the
- claim or lode. . The general course of the lode as near as may be

6. The general course of the lode as near as may be. Any location certificate which does not contain the foregoing requirements and such description as shall identify the claim with reasonable certaindy shall be world.

ANNERS of Locations. 1. Retore filing such location certificate, the discovered shall first sink a discovery-shall sufficient to show a well-defined mineral vein or lende, within SIMy days from the time of the our overing of the lode.

2. By posting at the point of discovery on the surface a plain sign or notice, continuing the first live requisites of the location certificate above given.

4. By marking the surface boundaries of the claim by eight.

certificate above given.

By marking the sintrace boundaries of the claim by eight substantial posts hewed or blaz d on the side of sides facility the claim, and plantly marked with the name of the lode, and the coursel, will of side of the claim that they respectively represent, so the course of the claim that they respectively represent, states to wit. The all each conner and one if the center of each side the ann one at a chericlot of the bode.

Richt or Wy. Wimming claims shall be subject to the right of way of any duch real provided side right of was shall not be excepted against any location day made and recorded and not only be subject to the right of was shall not be excepted against any location day made and recorded and not only by the William of the provided side and the conduction of the provided side of the prov

owners, everythy condemnation.

AMINDED CHARLIE VIE. II at any time the locator of any nilma claim, or his assigns, shall apprehend that his original

certificate was defective, erroneous, or that the requirements of the law had not been compiled with before filing, or shall be desirons of changing his surface boundaries, or of taking in any part of an overlapping claim which has been abandoned, such locator, or his assigns, may file an additional certificate, subject to the foregoing provisions; provided that such re-location does not interfere with the existing rights of others at the time of such preclude the claimant or claimants from proving any such the or preclude the claimant or claimants from proving any such the or ANNEAL WORK—Requirement as to annual work is the same as that of the United States statutes.

RE-LOCATING ARANDONEO CLAIMS—The re-location of alvandanced tools claims shall be by sinking a new discovery-shall and the original shaft, and of a new claim of the re-location may sink the original shaft, new or adopt the old boundaries, renewing the posts if removed or destroyed. In either case, a new location stake shall be erected. In any case, whether the whole or a part of an abandoned claim is taken, the location certificate must state that the whole or any part of the new location is located as abandoned reporty.

whole or any part of the new location is located as abandoned property. IEEE/TEP VIE ONE LOCATION.—No location excilibrate shall disjoin more than one becation, whether the location he made by one or several locators; and if I purport to claim more than one location, it shall be absolutely void, except as to the first location therein described, and if they are described together, or so that it cannot be fold which location is first described, the certificate shall be void as to all.

certificate shall be voted is to an.
DISCUENT MINISCE TROPERTY.—In all actions wherein the
title to any mining claim is in dispute, the court or judge thereof
may, upon proper application, enter an order for an underground
as well as surface survey of such part of the property in dispute
as may be necessary to a just determination of the question in-

AFFX AND DIE. South Dakota statutes are the same as statutes of the United States on all those subjects not hereinbefore digested.

### OUVERIES

Quarries located on other than public lands of the United States are governed by the ordinary rules applicable to real estate.

### REAL ESTATE.

Stuice hoves, finnes, hose, pines, railway tracks, cars, black-smith shops, mills, and all other machinery or tools used in developing or working a mine are to be deemed affixed to the mine, and are real estate.

### TENNESSEE

Compiled by Barrent & Wylleri, Attorneys at Law, 31-33 Cole Building, Nashville, Tenn.

FORMATION OF Articles of incorporation must set forth, t. Names of five or more incorporators not under twenty-one years of age.

2. Name of the corporation and the purpose for which it is

formed.

2. Name of the corporation and the purpose for which it is formed.

In this similaries of said five or more corporators must be acknowledged, or any once or more signatures proved by one with the state of the clerks of the county, then the state of acknowledgment or product to be entered on the books of his office, and also certified on the instrument, which instrument with the application, the acknowledgment or product, shall be registered in the register's office of the county where the main business of the corporation is to be conducted, the fact of registration to be by the register indicated on a natached to said instruments. The mitted to the secretary of state, who shall copy the same in a most to be kept for that purpose, with the productes, acknowledgments, certificates of clerk, register, etc. The secretary of state shall then certify in the original instrument that the same has been registered in his other, to which certificate shall be adved the great sent of the state, not set theater or, the first of the great sent of the state to said certificate or, the state is said of the state to said certificate or, and the time and so originally registered, the formation of the association as a body politic and comporate is hereby declared complete, and the validity of the same shall not be in any legal proceeding collared. lly impeached

erany impeacined.

By Lyws. Corporations may by by-laws make regulations con-cerning the subscription for or the transfer of stock, by upon the amount of capital to be invested in the enterprise and the division

mount or apparation investigation and the cheepers and in waves of the same that shares. Drine rous, flowin Or. The board of directors shall be elect-led a majority of the votes east, each share representing a site. The term of all otherers may be fixed by by-laws, the same,

vote. The term of all otherers may be fixed by by-laws, the same, however, not to exceed two verys.

Directors in the property of the property

insolvent, they shall be jointly and severally liable to creditors for the amount of dividend thus declared. But any director may avoid liability by voting against the dividend or by thing his obicetion in writing as s oon as he ascertains the dividend has been inade.

PLACE OF MEETING. The stockholders may by three-fourths

TEACH STATESTAND. IN SECRETARIES HAVE UP TO SECURITY IN A SECRETARY WHEN THE SECRETARY HAVE A SECRETARY WHEN THE THE ANALYSIS AND A SECRETARY HAVE A SECRETARY AND A SECRETARY HAVE A SECRETARY H

Fort for Compositions. Every to eign corporation desar-ing to carry on its business in this state must first file in the office of the secretary of state a certified copy of its charter or articles of its incorporation, and must cause an abstract of the same to of its incorporation, and must cause in abstract of the same to be recorded in the office of the register of each county in which such corporation proposes to carry on its business of teacquire any must, then they shall be declined to be corporations of this state. Nevertheless the creditors who may be residents of this state. Nevertheless the creditors who may be residents of this simple configurate creditors being residents of any other country or countries. And also over judgment creditors for all debits which were made by said corporation before the rendition of such which judgments. Upon the tacture of any such composition to com-nence in good faith to develop and work some portion of its property within this state within one very after fitting its said chairter, all radius and previously shall appear and the connervool.

### LHAS

All employes and day laborers of any corporation have a ben on three months. This here is entered to compensation in arrears three months. This here is enteredible by attachment or other wise as in other cases. It proceedings to enforce are not begin within three months from the time the her attached, it will be lost. The rights of home fiele pubelassers, and persons having valid here, if the time proceedings are begin, are superior to this here. Employes shall not be compedied to purchase goods from company schore.

from company's store.

A fight is given to whoever furnishes materials, by vertice of a special contract with the owner, for the construction or regain of a house, or the irrushing or erection of fixtures, machinety or improvements. If the contract be made with the mortizate of vender who holds subject to a vender's lien, and the mortizate of vender do not object within ten days after being notified in writing, the hori of materials will take printive over the mort writing, the hori of materials will take printive over the mort provenent on Lunds owned by a married woman, the contract must be in writing and signed by her, or else the material man will have no remody save to remove the building after ten days notice. The hori covers the building of improvement and the for of kind on which it is constructed, and takes precedency of all in cumularness erected after the material as faminished substantial material is faminished, that a horisschinded, and this will continue their factor materials. It in is held, that a horisschinded, and this will continue their factor materials a faminished, that a horisschinded is a fundament of the material regains and the provided a statement of the material regains a factor of the provided a statement of the material regains of the provided a statement of the material regains of the factor of Shirement of the mat that films in the three with the country legislary and by this recorded in the crisis book. The forces of singular training the forces of singular contractors to be the forces of singular contractors. The tien of the original contractor continues to one wear and until the final decision of a suit to entore it brought within such was in a contract of created of the country where the building or improvement is stituted.

### MILLEDAMS

The county court of each county has courton of the cerestion of infidiants under such conditions, restrictions, and an infidiant attacks as in its dissettion may seem proper. We county count can permit a mildian to be so constructed as to interrupt or many way maps or impart the mayigation of such site in a safe in naturally maying the or as have been declared to a set when May person desired to a set when May person desired to construct a in liding shall pessent a perturb to the county court of the county where the dam is to be built on the first day of a graphedly session setting both the nature and object of the dam. If the neutroner is not the county of the land on bath soles in

built on the first day of a graphed viscosion systimal both the mature and object of the dain.

If the peritorner is not the owner of the land on both sales of the stream, his peritorn shall be as uniquited by the content shall be set upon the stream in specific or shall be a supported by the content shall be set upon the owner of the owner of the owner of the owner of the same time at which it is presented. At the next success, at the same time at which it is presented. At the next success, at the same time at which it is presented. At the next success, at the same time at which it is presented. At the next success, at the same time at which it is presented. At the next success, at the same time at which it is presented. At the next success, at the same time at which is the same time at which is the same time and it is the time of time for which the same at some with the same at a same with the same at t

The owner of land through which a non-navigable stream passes may time the water from its channel for his uses, provided be returns it of the channel before it leaves his land. And such a person may have an action against an owner below him on the stream for interrupting such use of the water by erecting a dam so as to overflow his property. A right to permanently overflow the land of aportler is a hereditament, and a conveyance or safe

thereof may be in writing.

Yets Not S.—It is a public massing to obstruct or impede without legal authority the passage of any navigable river or endection of water. It is a public massage to any navigable river or end-section of water. It is a public massage to corrupt or render my wholesome of impure the water of any river or stream or pend to the many or prejudice of others.

MINNG.

RIGHTS AND POWERS, SPIGALY Mining corporations shall have the authority to condemit the right of way necessary for the transaction of the corporate in an array of the transaction of the corporate in an array of the properties. The corporate in the authority of the stock heine, in presented and east in the affirmative, may subscribe tot, purchase, hold or dispose of stock in any radioral company whose line of road shall be so near as to be used by them in carrying on their mecessary operations. For the purpose of grising the money to pay tor such stock, such comparations are authorized angle bonds so industried or such stock, such comparations are authorized angle bonds so industried or fished as anothered to increage bonds so industried or fished as anothered to increage their transcribes and estates, real and personal, to scene the payment of bonds so industried or fished as anothered to increase their transcribes and estates, real and personal, to scene the payment of bonds of the resident shall make and publish as a newspaped path of the country where the prancipal other of toxinosa is bodded of the measurement of the premoted as swoth statement, showing the amount of capital stock and the existing of a table statement to be printed as a foresaid shall reader and persons constituted in a foresaid shall reader and of trading of trading of trading with said company on the tath of said tradinent statement.

ing or trading with said company on the tacht of said translutent statement.

As previous of MINIS. One man inspector for the entire state shall be appointed by the governor of the state, whose term of other shall be appointed by the governor of the state, whose term of other shall be appointed by the governor of the state, whose term of other shall be appointed in the state and peoper shall and peace that the state can be provided in the result of the state and peoper shall and peace that the state shall peoper shall and peace that the state shall be appointed by the state of the continuous and peoper shall annually on or before the tst day of damary make a report to the governor of the state of the cond-tion and operation of the mines in the state. Shall aspected shall aspected a shall aspect and the matter of the mines in the state. Shall aspected shall aspect a shall aspect of the shall one on by no electron and makes the agent of peoper shall aspected shall aspected shall aspect as shall only the shall of the shall be shall be

OF ITELS OR ISOAPES. There shall be at least two separate of conflers separated by initing a strong nor best than one hundred and intra not in brendth, by which is hard or one'test distinct means of 'ingless and egiess are always at habite to the persons employed.

in the names.

ALNITATION. The award of agent of every coal immestiful provide an adequate amount of verification and not less than into two cubes test per second of pine of too every fully men at week, and as much more as enginementances may require. The ventural too many he produced by an improve or other applicances, but an earse shall a furnace be used unside or the name where the conditional of an electric are build directly over and eavy ing the top of the shall first the purpose of producing an inpension of the shall first the purpose of producing an inpension of the shall first the purpose of producing an inpension of the shall first the purpose of producing an inpension of the shall first the proposed producing an individual conditions and the shall first the inspection ones in the dark of the masses of the last them are the shall report to the inspection ones; a month

STOCKLESS, Trials, In ... The owner or agent of every column shall employ actable operant, see a rather strong to bottom of the shall emb safe unrelangely to sowering or hosting.

any mones. PEXM 1118. A violations of any of the above provisions of a Subject the agent of owner of the main for a fire, and upon prevaition of the inspection, action in observed as the such season of other of unions with continuously to enter of mines with continuously the enterior of many in the major than a first which may be the major that the present at a most ting called to that purposes have the right of compoundations which called the proposed and the model of the major who shall be present at the wealth in our measurement of the first which is present at the wealth in our measurement of the content of the proposed and the wealth in the second major and content of the second major and the second major and

FURTHER DUTIES OF CHECK-WEIGHMAN, - He shall credit cach miner with all merchantable coal or other minerals mined by him, on a proper sheet or book kept by him for that purpose. When differences arise between the check-weighman and the agent of the mine, the same shall be referred to the mine inspector of the district, who shall settle the matter.

PFNATTIES FOR FURES WEIGHING. Should any weighman agent or check-measurer knowingly or willfully adopt or take more or loss pointes for a hardering or examining of the scales of cars or willfully such the distriction of the cardes of the scales.

guilty of a misdemeanor.

QUARRIES.

THE FORMATION OF QUARRYING CORPORATIONS. -The char-The Formattion of QLARRAING Control vitons. The charter granted to quarrying corporations and their general powers are similar to those granted to mining corporations. The regulations with retereme to liabilities of stockholders and directors, the publication of statements, liabilities for false statements, equal stock, condemnation of proporty to right of way, place and time of meeting, are the same as in the case of mining corporations, the only difference between the power of a mining and quarrying corporation below that the power to subscribe or purchase stock in any railbond company is withheld from quarrying

### WAGES

All persons, firms, companies or corporations engaged in mining coal, ore or other unineral shall pay their laborers and employes the amount due them for their work in lawful money of the United States or by eash orders, and shall adjust accounts at least once in every thirty days. It shall not be lawful for the to issue tor payment of fabor any order or other paper whatever, miless the same purports to be redeemable for its face value in lawful money of the United States by said person, company or corporation

### TEXAS

### CORPORATIONS.

Corporations are either public or private. A public corporation is one that has for its object the government of a portion of the state. Private corporations are of three kinds. First, religious, second, corporations for charity or benevolence, and third, corporations for profit.

CREATION OF CORPORATIONS. Private corporations may craytrox or Conformations. Triving corporations may be regated by the voluntary association of three or more persons for the purposes and in the manner heremafter mentioned. The purposes are almost anything which is not unlawful. A charter must be prepared setting both

Name of corporation. Purpose for which it is formed.

Eline or places where its business is to be transacted. Ferm of its existence. A minber of its directors or frusters and the names and residences of those who are appointees or the first year. A amount of its equital stock, if any, and the number of shares. The charter of a bridge or terry company shall also state the

stream to be crossed. The charter of a road company must also state

Stream to be crossed.

Stream to be crossed.

Stream to be a real company must also state. First, the kind of read intende to be constructed, second, the place kind of read intende to be constructed, second, the place is the constructed by the condition of the subscribed by three or more persons, two of whom, at least, must be entire, of this state, and must be acknowledged better some officer and indicated to take acknowledged dispersion of the order of the condition of the order of the condition of the composition, its existence dates from date of filling. Corporation, its existence dates from date of filling. Corporations are made to the corporation, its existence dates from date of filling. Corporations are made to the corporation, as existence dates from date of filling. Corporations are constitution of the condition of the condition of the condition of the condition of the constitution of has of this state.

All charters, or amendment, and must not be contrary to the constitution or has of this state.

All charters, or amendment to charters, under this chapter, 2. The XV, shall be subject to the power of the legislature to after, retorn or amend the same.

Fees to charter, or amendment or supplement thereto, of a private corporation to religious, literary, benevolent or scientific purposes, \$10, tor any other purpose, \$25, except railroad or tele-graph companies, which pay a fee of \$100, paid at time of filing

GENERAL PROPERS AND DEFINS OF THE COMPORED TO SERVICE AND THE COMPORED TO SERVICE AND THE COMPORED THE PROPERTY OF THE PROPERTY OF THE COMPORED THE PROPERTY OF THE COMPORED THE COMPONENT OF THE

2. To maintrim and desent procedures.

2. Fo use a common sea,

4. To hold, purchase, sell, mortgage or otherwise convey such
teal and personal estate as the purposes of the corporation
shall require, or to secure any debt or hability due or belong

- 5. To appoint and remove subordinate officers and agents, and to allow them suitable compensation.
  6. To make by-laws, not inconsistent with existing laws.
  7. To enter into any obligation or contract essential to its
- To increase or diminish the number of its directors or true

tees, to be not less than three nor more than thirteen, by vote of stockholders.

May increase its capital stock to not exceeding double the amount of its authorized capital, which shall be certified to secre-

amonint of its authorized capital, which shall be certuine to secretary of state.

May borrow money, issue bonds or notes therefor and pledge the property and income of the corporation. May open books for subscription of stock within three months from itting charter, after giving thirty days bottee in a messgaper published or generally circulated in the places where books are to be opened.

A majority of the stackholes for the declaration directors or trustees to be held at such times and places as by-laws directors or trustees to be held at such times and places as by-laws directors are the subscription of the state of the places and the such times and places as deemed necessary.

necessary.

Directors or trustees may adopt by laws, which may be aftered or changed by majority vote of stockholders, at any election or special meeting for that purpose by the directors or trustees on written application of majority of stockholders or members.

wirtten application of majority of stockholders or members. Elections, if not held on day appointed, may be held on any other, as per by-laws.

Baoks Shall be kept wherein are to be recorded all luminess transactions, and open too inspection of all stockholders, who writing of the condition of the exportation, and shall declare dividends, etc. The stock deemed personal estate and transferable only on books of corporation, as by-laws declare. Board of directors may require the subscribers to the capital stock to pay amount subscribed as may be required by the by-laws. Stock may be forfeited when stockholder shall neglect to pay his installments after being nothed.

Directors who pay any dividend when its payment would render the corporation insolvent shall be jointly and severally hable for all debts of the corporation to the extent of the dividend so paid. But any director who shall the its objections to such payment shall not be so hable. Principal office to be kept in this

THERTY OF STOCKHOLDERS. If there is no property of the corporation to be found, execution may be issued against stock-holders to the extent of impaid stock, etc.

Whenever any banking, mercantile or other business firm Whenever any banking, mercantile or other business firm desires to become incorporated without a change of the firm snape, such firm shall, in addition to the notice of dissolution required at ratio for at least four sneessive weeks, in some new snaper pub-lished at the scat of government, and in the county in which such firm has its principal business office, it there be a new snaper in such county, and, it not, then in some adjoining county, and no change shall take place in the liability of such firm or the mem-

change shall take piace in the monor, or the state of the best thereof.

FORTICE OF THE STATE OF THE ANY CONTROL OF THE STATE OF THE ST

and to such corporation to transact mismess it has star. No such corporation can maintain any suit at law or equity, in any of the courts of this state upon any demand, whether arising under contract of tort, unless at the time such contract was made, or tort committed, the corporation had filed its articles of incorporation with the secretary of state to premier its permit. Such corporation shall, it its capital stock be \$100,000 or less, is a bree of \$250 tor such permit, if more than \$500,000 and less than \$500,000, a fee of \$300, if more than \$500,000 and less than \$3,000,000, a fee of \$300, if more than \$500,000 and less than \$3,000,000, a fee of \$400, if more than \$500,000 and less than \$3,000,000, a fee of \$400, if more than \$500,000 and less than \$3,000,000, a fee of \$400.

a per or store, a more manusconous available of \$200. No permit shall be used for a longer period than ten years. The original permit or certified copies thereof shall be evidence of the compliance of said corporation with this set. A certificate of the secretary of state that any such corporation has tailed to file in his office its articles of incorporation shall be evidence that such corporation has in no particular complied with the requirements of this set.

ments of this net.

The provisions of this aet shall not apply to corporations created for the purpose of constructing building, operating or maintaining any railway, or to such corporations as are required by law to procure permits to do business from the commissioner of agreeding, instrumer, statistics and history.

### LIENS

Mechanics, contractors, builders, and material-men bave a hen on the improvements made by them, and on the land on which they stand, for their debt, and may fix and seeince the hen upon said property, by filing the contract and having it recorded in the country-derk's office within sty months after it becomes due, if the contract is verbal, other formalities are re-quired. In the cases of homestead near the property of the party of the property of the property of the will be given as required in conveyance of the homestead.

Persons performing labor in the construction or repair of rail-roads or their property, or in the operation of a railroad, have a preferred lieu upon such railroad and its equipments to their wages. Keepers of hotels and boarding houses have a hen on buggang and all property deposited with them for their bulks.

### MINING.

act of the legislature of April 14, 1883, all immerals in the By act of the legislature of April 44, 1883, all innerials in the public school, innversity, asylini and public kinds of the state of Texas were reserved from the operation of the laws for the side of such lands. By the same act the state land board had the control and management of the disposition and use of said min-erals. The mines could be worked under certain rules and regu-lations going to the land board laye per cent, of the gross pro-ceeds of the mines, but no title could gass.

ecess of the names, but no title confo pass.

By act of March 29, 1889, all public school, university, asylum and public lands, containing valuable universal deposits were reserved from sale or other disposition, except as provided in said act, and were declared tree and open for sylptoration and purchase by chilgen, of the United States, and those who have declared their intention to become such. Locators under former act had the right to accept within thirty days the provisions of the latter net.

All unsold lands were to be classified by the commissioner of An unsoin ands were to be classified by the commissioned of the general land office of the state, and map made showing loca-tion of all such lands and have all numeral lands so designated, and all locations to be put into mining districts with a surveyor

Mining claim, upon veins or lodes of quarty or other rock in place bearing camabar, lead, fin, copper or other valuable netals, scelinding deposits of from ore, cont, knoth, bayds, sait, marble are clays, valuable building stones, of or natural 23s, may equal but shall not exceed one thousand two hundred beet along the but shall not exceed one thousand ive hundred test along the tern or hole, not to exceed twenty one aeros in total area. Loca-tor shall post notice, place moniments at corners, etc., and within three mouths thereafter sink shall ten test deep, or a tim-nel ten feet in length, or open cross cult wenty feet in length, four test whe and ten feet deep, and within said time the with surveyor application in writing for survey of the claim, and field note, to be returned within thirty days thereafter for commis-sioner of general land office. One hundred dollar sweater words to be per formed administrative because change for all belon any test surthe amount of work may be done on one for all belonging to simp party. And claimant shall, in addition to this amount of work. annually pay to the freasurer of the state 800 or each claim thed upon, which amount shall be a credit upon the final payment for such claim at \$25 per acre. Patent may be obtained within two years from filing application for survey.

Discovery lumnels may be run and owner of such funnel shall have right of prosession of all veins of lodes discovered by such funnel within two thousand feet of the face of such funnel, on the

interest right of possession of all vents of the three discontinuation the time thereof.

Doctors at a mix digits or association of not less than tone persons shall have the right to be able and obtain patient for any persons. Shall have the right to be able and obtain patient for any persons shall have the right to be able and obtain patient for any persons. Shall have the right to be able to deal of the continuation deposed at the continuation of the continuat

visions of this act shall apply I exhal location. Chains usually called placets, including all torms of metallichepoort, excepting verifs of quartz of took in place; shall be sufficiently and patient under the circumstances and conditions and upon similar proceedings, as are provided for ven of locations. All placer cleanies have been been deadle conform as matry is practicable with existing survive and their subdivisions, and he call because that predicts make their subdivisions, and he call because the placets of the placets. The placets shall be not less than stoper ages.

Mill sites may be located on non-mineral beginning Linds. Own-ers of quartz mills or reduction works not owning mines in con-meetion therewith may also receive a patent for a mill-site as provided in this section.

All claims upon which patents have not been applied for within tive years atter application for survey, etc., are joint ited without indical action, and subject to location by any other person. The above and foregoin: after the main points of the low.

### UTAH

Compiled by Booth, Lee & Girvy, Attorneys at Law, 63, 64 and 65 Commercial Block, Salt Lake City, Utah.

### CORPORATIONS

CONGRESSIONAL LEGISLATION. The legi-datures of the several territories are borbidden to grant private charters, or special or exclusive privateges, minimities or frinchess whatever, but they may, by general incorporation acts, perind persons to assembt themselves together as bodies corporate to minima, bank

they may, by general morpointion acts, permit persons to asset met themselves together as bodies corporate for mining, banking, manufacturing, etc.

The territory and the political or minineignal corporations of subdivisions of such territory are forbidden to make any subscription to the capital stock of any morporated company, or in our production of the capital stock of any morporated company, or in any manner form its credit to, or near for the benefit of any such company, or when more than twenty per centime of the capital stock is owned by any person or persons, carporation of capital stock is owned by any person or persons, carporation of capital stock, as contained as a secondary of the first states, are not budden to hold any real estate in the territory. All corporations, except those or ranneed for the construction of operation of tailways, canals of turipules, are torbidden to hold or own more than the thousand across of hard in the construction of operation of tailways, canals of turipules as to the territory. But the construction of the construction of the territory of the construction of the construction of capital stocks of the construction of the construction of the construction of the construction of capital capital stocks of the construction of operation of warner reads act, for establishing and conducting any mining, main relarging commercial, or other motistical points, or operation of warner reads as a construction of operation of warner reads and the law of the territory.

They shall enter into a written agree ment, signed by each of them, and acknowledged by at least three or them between the production of the construction of them between the production and law of the construction of the production of the construction of them between the production and the construction of the production of the construction of the production of the construction of the

The fame of its duration, which shad not along ease be less than three years not move foul diffy years. The pairs if of bit mess a reseafupon specifying if in general of this.

The place of its general on the state of the children in the place of its general on the state of the children in the place of its general on the state of the children in the

provided by him.

The other must, betwee energing upon the total costals, and who ple amounts of other modes the amount of the cost of the problem index that they will disclaim the date of state of the problem index that they will disclaim; the date of the other of the first of their independ, and that they will not one non-sent for the dome of any matter or than tellar in the state of second independent of the first of the state of the second in the dome of the index of the second the association will intend to do it about second the second in the paths, which will index only for a second cost of the second in the paths of the second index of the second in the paths of the second index of the cost of the

office, which certificate, with a copy of the articles of agreement and oath, certified by him, must be filled in the office of the serritary of the territory, who shall issue, under seal of the territory, as estilicate to that fact, and these proceedings and certificate shall be sufficient to constitute the association a body corporate with succession, and the latter certificate, or a certified copy thereof, shall be earlied or of the due meroporation.

Powers Office conserved in the differential of the corresponding to the corresponding to the corresponding to the corresponding to the common scale to buy, hold or self-such read scale as may be necessary to their business of to collect debts, to make by-laws, to linerage or diminist the capital slow by the many proceedings, the capital slow by the many proceedings are buy have the right to own and the power to buy the postulation from the many constraints and the power to buy an example of the control of the limitation and the power to be supported to commonly a business to the evident of the limitation and the power to be consistent to commonly a business to the evident of the limitation and the power to be consistent to commonly a support of the control of the control of the limitation and the power to be consistent to be consistent to the control of the limitation and the power to be consistent to the control of the limitation and the power to be consistent to the control of the limitation and the power to be consistent to the control of the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the power to be consistent to the limitation and the limitation and the limitation and

imposed by congress,

imposed by congress.

Figures. The onission to make the proper entries, or the making of talse and fraudulent entries by the secretary or person in charge of the books, with intent to deceive or detraid, is declared to be forgery and punished as such.

Fraudulent musapplication, conversion or concealment of money by an officer, director or employe or other person, is embezzlement and punished as such.

FOREICA CORPORATIONS. Foreign carporations may enter into both second programment of the property for the property for all goods operations.

into business in this territory, but all such corporations are

Within sixty days to life with the secretary of the territory, and also with the probate updge of the county wherein the principal office in the territory is situated, certified copies of the articles and a certificate of incorporation and byshws, and in cases of alteration and amendment of said articles or by laws thereafter shall life extified copies of such affectation or amendment with each of said otherers, within thirty days after their adoption.

Such corporation shall also, within sixty days after commencing its principal pilice of business in the first of the county in which when process may be served, and shall life such designation with the probate judge and secretary of the territory.

Any corporation rating so to comply shall not be entitled to the loneits of the laws limiting the time for the commencement of civil actions. Within sixty days to file with the secretary of the territory, and

the benefits of the laws limiting the time for the commencement of eight actions,
TAVATION. The property of all corporations for peemiary profit is subject to travation, the same as that of individuals,
Shares of stock in corporations are not travable, when the property of the corporation is travable.
SERTAL PROADSIONS. Our laws contains special provisions for banking, domestic, rairroad, telegraph, telephone, insurance, irrigation, foan, trust and guarantee associations, and binding and ham issociations.

There are no special territorial laws in regard to quarrying or in regard to milldams.

### LIEVS

All persons who shall do work or turnish materials for the working or development of any mine, lode, mining claim or deposit yielding metals or immeral of any kind or for the working of development of any such mine, lode or deposit in search of such most so interests or interests, and all persons who shall do work of furnish materials upon any shall, tunnel, meline, add, drift or utilities and all of the purpose of draming or working any such mine, lode or deposit, are entitled to the bench to the local laws of this ferrials.

office exeavation, designed or used for the purpose of draming of working any such mine, lode or deposit, are entitled to the such of the force laws of this feer flow.

The first of the first laws of this feer flow.

The first of the first laws of this feer flow.

The first of the first laws of this first or other exeavation be not within the limb, such mine, lode or other exeavation be not within the limits of such mine, lode or deposit, provided, that when two or more such mines, lodes or deposit, provided, that when two or more such mines, lodes or deposit, broad or ekined by the same person or persons shall be worked through a common shall, tunnel, incline, add, duff or deposit, owned or ekined by the same person or mine, and provided further, that this section shall not be deemed to apply to the owner or owners of any mine, lode, deposit, shall, tunnel, incline, add, drift or other exeavation when the same shall be worked by a lesser. The arresting provisions apply to surveyors, evid and immine engineers, doing any work of surveying or plat the state of the propose of the provisions and deposits, and the state has all the worker of the proposed of the provisions and the same shall likewise attach to rights of water and rights of the first laws of the proposition shall like hear attaches. In case of cooperations shall here shall attach to all the tranches and schall they provide as that may many manner pertain to sand specific from proporty the combeton of any proporty.

fied property

NULLER OF THEN Norther or Lifes. Any party claiming a hen shall file in the office of the recorder of the county wherein said land is situated.

onice or the reconstruction of the state of due of to become due. The principal contractor must tile such statement within sixty

The principal contractor must like such statement within SAMy days after the time when the last work shall have been done or the last material formshed. A sub-contractor must like such statement within torty days.

A notice of intention to hold a her may be liked before the work.

to the continuous manufactural and may be more decret the work to the continuous manufactural funds to the continuous manufactural funds to the continuous manufactural funds of A FRON, No action shall be maintained to the two covers of real property or the possession thereon, unless it appears that the plainful, in a necessio, grainfor or predicession and the property of the prop

years before the commencement of such action; and this includes

years before the commencement of such action; and this includes passessory rights to lands and mining claims.

Recurs or WA, WM, Exsessives.—The legislature of the Recurs or WA, two Exsessives.—The legislature of the action of the such as the control of the rights of way and cassenents for the development of mines.

The owner, locator or occupant of a mining claim may have and acquire a right of way over and across the lands or mining claims of others, whether patented or otherwise, for the following purposes; Road, trainway, railroad, ditch, canal, limit, water-pipeline, cut or tunnel in, upon, threath and acrossing in the district courl, and on payment of the dimendance of the district courl, and on payment of the dimendance of the district courl, and on payment of the dimendance of the construction of safe crossings, etc., and for keeping same in good repair.

Su froot, or Marks.—The legislature of the territory has established a claim of geology and mineralogy in the territorial minimal states of the county of the district of the safe of the safe of the same of the same of the same according to the county of the same of the same cases of workner in case of danger. Punishment for fail-same cases of workner in case of danger, Punishment for fail-same cases of workner in case of danger, Punishment for fail-same cases of workner in case of danger, Punishment for fail-same to comply with this law is \$1,000 fine, or one year in the penticulary. penitentiary

### MINES AND MINING.

MENING CLAIMS. "Discovery and appropriation are the sources of public to maing claims on the public mineral lands, and development the condition of continued possession.

EVEENT OF GROUND OPEN FOR LOCATION. The locator may claim fitteen hundred text along the vein or lode, and three hundred text on each sade of the middle of the vein or lode at the surface. (See Com. Laws, Sec. 250).

How bo ATEN. The location shall be along the vein or hole at the surface discovery of the properties of the control of the surface of the second so that its middle discovery of the surface of the surface

maneum monumera as will includy the calling the notice of noesthort must be recorded with the mining recorder of the numberator must be recorded with the mining recorder of the numberated in an organized distract, or it there is a vicenmy in the located in an organized distract or it there is a vicenmy in the located of the recorder of any mining distract, then with the county recorder of the county in which such claim is located.

WORK LANN ALL, ASSESSMENT WORK to be formed a family to be performed animally on lode claims. (No territorial law,)

DOWER, DOWER 1981 now attaches to mining claims,

EYIDEN C. Copies of notice of location of mines, lodes and vivins and of timely slices recorded in the several mining districts, and of the mining rules and regulations in the second rules and regulations, provided they are properly certified.

In actions respecting mining claims, proof must be admitted of the enstons, usages or regulations established and in force at the bar, diagnass or camp embracing such claim; and such enstons, usages or regulations, when not in conflict with the laws of this territory, or of the United States, must govern the decision of the action.

Fraud. Frandulently procuring sales of mining claims by talse certificates of assays, etc., is a misdemeanor.

### VERMONT

Compiled by J. W. Rt 88F i.L. Attorney at Law, Burlington, Vt.

### CORPORATIONS.

FORMATION. Corporations are formed for the purpose of car-rying on manufacturing, increantile, mechanical, mining or quar-tying business by articles of private association. They are as

organs;
"We, the subscribers, hereby associate ourselves together as a corporation, under the laws of the state of Vermont, to be known by the name of the purpose of the county of the purpose of the county of the purpose of the county of the purpose of the purp aws of the state at vermont, to be known, for the purpose of at , in said state, with a capital stock of shares of dollars each, as day of A. D. divided into , this

Such articles of association, signed by the corporators, are filed ith the secretary of state, and a certified copy thereof printed in

with the secretary or state, and a certified copy thereof printed in a new spage in the county.

The corporation is managed by not less than three directors, who shall be stockholders, and one at least shall reade in the stockholders, and one at least shall reade in the place as by faws provide, and shall hold other mild their successors are appointed. They appear note of their number president, and appoint a clerk shall the anext The clerk shall be a resident of the state. A majority of directors constitute a quorum when convened according to the by-laws. A majority of stockholders at a meeting may transact business, and each share shall entitle the holder to one tote. Director spaying advanded, knowing the corporation to be unsolvent, are personally hable tot debts due tron the conporation.

corporation to be inserved, as a per-tron the corporation.

The capital stack shall not be bess than \$200 nor more than \$500, The capital stack shall not be bess than \$200 nor more than \$500, 1,000 not be proposed by the stack of the stack nor besselved in the stock norst be paid in betwee debts are contracted, and no the stock norst be paid in betwee debts are contracted, and no

part of it shall be withdrawn or diverted from the proper business of the corporation. Directors consenting to an indebtedness in excess of two-thries of eaptral stock paid in are personally hable for the excess. Stockholders are individually liable to receive it the corporation to an amount equal to their amount of stock mill the whole amount of stock fixed by the company is paid in. If the capital stock is withdrawn or refunded which debts are owing each stockholder is personally liable to the errolitors to the amount he receives.

paid in. If the capital stock is withdrawn or refunded while deals, are owing, each stockholder is personally liable to the creditors to the amount he receives.

The eleck shall keep in the town where the corporation is tocated and has its principal place or business a book containing a record of articles of the association, number of shares held by each, amount paid in the association, number of shares held by each, amount paid in the same that there were the proposed of subject to inspection of the stockholders at the animal meeting and other similable times.

LIPN. The corporation has a hereon the stock of its members for debts due from them to corporation.

The legislature retains the praylege to viente or amount the powers of the corporation for just cause.

FORTION CORFORATIONS. There are no stabutes relating to forcin corporations engaged in manufacturing, increasity, indi-ing or quarrying business or any such business, as to the method of their entering or doing business in the state, and they are allowed to do business without interterine or regulation.

LENS.

Persons performing labor of turneshing material in building, repairing, filting or futurishing a ship, vessel or steambout have a lieu on the same for crifit months, and may seeme same by attachment, which shall have precedence of all other-claims. A person creeding, teparing, moving or aftering a building of tin ushing labor or materials therefor shall have a fien to seem payment therefor on such building have a fien to seem payment therefor on such building the find on which it shall, which hen continues in torce three months, but does not take cleed until a memorandim of the claim is recorded in the town does not award to the find a memorandim of the claim is recorded in the town to the find a memorandim of the claim is recorded in the town and to the mortgage of ben.

FuturoATS LITS. When a person of company is compelled in stop business by reason of attachment and does not resume an

any former mortgage of hen.

FARTOAT'S LITN. When a person of company is compelled to stop business by reason of attachment and does not resume in theirty days, and is indebted to are imploye to wages, such can plove has a preterence to the amount of \$50, and his attachment will take precedence of others to secure that amount. In in solvency his claim to that amount is preteried. Some attachment is after which is a first with a precedence of others to secure that amount. In in solvency his claim to that amount is preteried. Some in the first think in the present of the present of the first present of the form of the present of the form of the for

### MINING AND QUARRAING

There is no legislation in Vermont relating form ning or quarry ig exclusively, and no other general egislation affecting those matters.

### VIRGINIA

compiled by Philican & Johnson. Afternovs at Law, three transforms,  $V_{\rm T}$ 

# CORPORATIONS

FORMATION OF The legislature may stant charters for any surpose. The estent and corporation courts and indiges there of in vacation, may stant charters be tive or note persons, who die to form a joint stock company for the condition of which we die person business which may be havfully conducted by an individual or by a body politic or corporate, except to construct a turnple to be constructed beyond the limits of the county, or a radious, street rathway or canal or to establish a brink of eigen haven more persons, and acknowledged by them before a justice, notary, page or clerk, and must set toril:

1. The name of the company.
2. Purpose for which it is formed a 2-tiplial stock and its division into shares.
3. Amount of real estable proposed to be held.
4. Amount of real estable proposed to be held.
5. The clark business in the content of the company.
6. The clark business in the content of the company.
6. The clark business in the content of the company.
6. The clark business are because of the contents who for the first verificate must be presented to the cream of comporation court of the commonwealth which is the content of the state of the content of the content of the content of the state of the content of the secretary of the continuous early who also records is Superior of Education of the propose whatever. The first is superior of electual for any purpose whatever. The first is superior to electual for any purpose whatever. The first is superior to electual for any purpose whatever. The first is superior to electual for any purpose whatever. The first is superior to electual for any purpose whatever. The first is superior to electual for any purpose whatever. The first is superior to suppose the second of th

maximum is named in charter, fee is \$200. Company cannot organize until copy of charter is lodged with secretary of combinewaith.

How Stock PAID FOR. Two dollars per share shall be paid at time of subscription, and the residue as required by the president and directors.

and directors.

MEFIT(SS: Annual meetings of stockholders are required. The time may be fixed by charter or by the stockholders in general meetings. Either the bound of directors or stockholders owning one-tenth of the capital stock may call a general meeting permitted on the control of the capital stock may call a general meeting permitted by the control of the capital stock may call a general meeting permitted by the control of the capital stock may be be held.

ELICITOSS: President and directors are elected by stock holders, except so far as named in the charter, or to full a weamey, which hast the directors may do. They can receive no compensation, unless allowed by the stockholders.

FOR ONLY SATE REPORTS: The bound of the backmed annually or semi-annually, and to make annual reports to the stockholders.

or semi-annually, and to make annual reports to the stockholders of the receipts, disbursements and condition of the company.

of the receipts, assoursements and condition of the company, which will be a persons in whose manies the shares the start start of the persons in whose manies the shares regards the company. Davidenis shall be applied to any index defines of stockholder to company. Stock is not assignable with out company's consent until all assessments have been paid out company's consent until all assessments have been paid when assignable assignable assignable assignable assignables. Are not liable for more, than their and tubure assessments

Turectors required to declare semi-annually divideads of so much of net priority as they deem of a milest order. They are personally habe to company's creditors if they declare a dividend of any part of the capital stock.

Lori LITURE, that res granted by the legislature are contented of the company does not organize in two years from passage of the clarity, or if after organization is suspends to operation for

By LAWS. Company may adopt any which are not means but with charter or the general laws of the state. LAWLYLES. Charters of mining and manufacturing com-panies sypre thirty years after the data. ASSIC-WINTS. AND TSCI MEAVERS. Any hencol means brance on its work or properly, excited by any company char-tered by a count of male, for the purpose of giving a preference to any scripting except to seeme a diely contracted of money shall compress the property of the property of the second of

borrowed at the time of the creation of the hen or encumbrance, shall entire to the benefit ratably of all the creditors of the company theorexisting, the company theoretical plant incorporated by this state or by another state, and doing business in it—even insurance com-panies mentporated by another state, must have an other in this state at which claims against it due residents can be audited, settled and pand.

Light to yet current vitory. Every company memporated by

Fight to Ventrory theory Every company morporated by another state is required to record in the county where its office is, and also to have transmitted to the secretary of the common wealth, as clearly a made a power of attorney appointing some person residing in such county an agent on whom all having person residing in such county an agent on whom all having morporates are such as the county and agent on whom all having continues to the state and acquire, leaves self, mortrage and convey real action of the state and acquire, leaves self, mortrage and convey read the state beautiful to the state beautiful to the state beautiful to the state beautiful and acts of that in any one county. Such companies must pay the trees in quitted of companies characters in the state before they can de business shere.

### LIENS

LALOHITS LITES All clerks, mechanics and laborets who minish the 1 settices or labor to any mining or manufacturing company, he matter where chartered, shall have a prior heir or the tranchises, close carnings and on all the real and personned properly of said company which is used in operating the same to the Cylent of the money due by such company for such wares, and no methylaxies deed of trust, safe or hypotheration or conveyance excented sames. World 24, 1877, shall debut of take piece oblines were said here.

edence over said her.

SEPTY TENS. All persons fath slung supplies to a mining of manufacturing company, necessary to the oper trop of the same shall have a prior her upon the personal property of such company, other than that forming part of its plant for the extent company, other than that forming part of its plant for the extent the estate, real and personal, of supplies, and also a here of all the estate, real and personal personal estate, shall be subtlee, shall be subtlee, the manufacture of tract, more fazze, hypotheration, sale of conveyance made or excented and duly admitted to record, pror to the date all when said supplies are turnshed provided, however, that the here to parties turnshine, supplies to sextone sufficiency afterward.

See Set view trimingle decomposed.

How LIPE PLEE OF THE No person shall be a futfloot found, from the PLEE OF the View and the study of above done, be the in the electron state to country a set of above done, be the in the electron state of the country as the white the debtor springipal office is a minorar deministic mades with where the debtor springipal office is a minorar deministic made with the above the debtor of the above the abov

recording MNNAs. As person shall open, sink, dig. (veaval) or work in any mine or shall on land containing coal, suph it or other in a certisk within two test of the boundary or mother is land (though the written consent of every person friving any a teries to 1475 whatever in the adoming hand. Appressive data in 1988 provises for leads Sign for anyone who may such than therefor.

The owner or tenant of any land on which a coal or other must is opened and worked, of his agent, shall permit may person and egrees with survey ones and assistants to explore and survey such mine at his own expense, not oftener than once a month, for the purpose of ascertaining whether or not work is being done within five feet of the line. Each refusal causes forfeiture of \$20 to the person so refused. A pastice of the peace may by warrant on complaint and trial command the sheriff to attend and prevent obstruction, to such entire.

### WASHINGTON

Compiled by Li o & Jorda vv. Attorneys at Law. Rooms 200 and 201 National Bank of Commerce Eddg., Tacoma, Wash.

### COPPORATIONS

Corporations may be formed for manufacturing, minning, mill-Corporations had be formed for manufacturing, maning, ming, whatfing, docking, mechanical, banking, mercanitle, in-provement and building purposes, for building, equipping and manazing water filmes for transportation of wood and limber; for building, equipping and running railroads, for constructing rands, and for earrying on or conducturing any other species of

catais, and for earlying on or conducting any other species of trade or business.

No corporation (except those engaged exclusively in loaning money on real estate) shall commence business until the whole amount of capital stock is subscribed.

money on real estate) shall commence business until the whole
amount of capital stock is subscribed.

Two or more persons may form a corporation. Must make and
Two or more persons have found to the control of the con

business within its objects.

regimes its analis, transfer its stock and carry on all kinds of business within its objects of by bounds of trustees, of not less than two, who shall be stockholders and a majority of them exist take early. To be annually elected after term of first trustees, take early, to be annually elected after term of first trustees, take early, to be annually elected after term of first trustees. Election to be held necoting to by-faws. Aftelections by ballot, Each share has vote by holder or proxy, unless by-faws limit cach shareholder to one vote; two thirds of stockholders may expet trustees. Any vacancy except by expulsion may be filled by any-pointment by trustees. Notice of necting to expet trustees at appointed time does not dissolve corporation. Majority of trus-ary and the stockholder of the First neceting of trustees may be called by notice stance by one of more trustees annuel in articles, specifying time and place of these to be served personally on each trustee, or published in some paper in country where principal place of business is located for twenty days. If no paper in county then in paper nearest thereto in state.

thereto in state.

Stock shall be personal property, transferred according to by

Stock shall be personal property, transferred according to by-laws. No transfer talled except between parties, unless entered in detail or company books.

By laws may provide time and manner of payment for stock, etc., it flew do not trustees may demand payments as needed, etc., it flew do not trustees may demand payments as needed, etc., it flew do not trustees may demand payments as needed, edge, it is consistent to the payment of calls, sufficient payment of calls, sufficient of their states to except in state. It stockholders detault in payment of calls, sufficient of their states to pay all their assessments may be sold, such safes made according to by-laws, but safe shall not be made at office of company. Safe at public methon to included bloder on four weeks induce, published as attoriesand. Sharres sold to per-slares.

states. Stock held by executor, administrator, guardian or trustee may be represented and voted by said executor, etc., as a stockholder.

Stock may be pledged by delivery of certificate, but pledger

Section 1. The state of the sta

nonces are programmed under the law shall have power to personant to more or other exidence or indebtodies, to rerealization for money, except bonds by railroad company, which bonds shall not exceed double the amount of pand-up stock.

Each stockholder except in banking corporations, personally table to the creditors of the company to the amount unjust of the continuity of the continuity

his stock subscription, but personal liability does not apply to persons holding stock as executor, administrator, guardan or trustee holding the same as collateral security, but estates shall be applied to the same as collateral security. liable as stockholders.

Books must be kept, containing names of stockholders (alpha-Books must be kept, containing names or stockholders (alpha-betically arranged), showing number of shares of stock held by each, and time when they became owners of the same, books to be open to stockholders and creditors, who shall also have right to make extracts from books and may demand certified copy of any part of books or papers; said certified copies are presump-tive evidence of facts, therein stated against said company, or any stockholder. Any false entry or refusal to comply with the foregoing provisions is a inisdemennor and punishable by fine from \$100 to \$1,000, etc., etc.

from 809 to 81,000, etc., etc.
Capital stock may be increased or dimmished, but before stock is dimmished debts must be reduced so as not to exceed amount to which capital is reduced. To change amount of capital meeting must be called by notice signed by majority of trustees and published eight weeks in newspaper published in county where principal place of business is located, or, it no newspaper there, then the nearest newspaper in the state. Notice must specify object, time and place, and amount to which capital is to be changed. Note of two-thirds of all stock necessary to change changed. Note of two-thirds of all stock necessary to change changed which have been successful to the special states of proceedings showing compliance with forecasing protificate of proceedings showing compliance with forecasing protificates of proceedings showing amount of capital actually paid in, amount of debts and habilities, amount to which capital is changed. Certificates to be signed and verified by chairman and secretary of meeting, and certified by a majority of trustees and filed the same as original articles.

and secretary of meeting, and certified by a majority of trustees and filed the same as organial articles.

Dissolation. Upon dissolution, the trustees at the fune of dissolution stall be trustees of the creditors and stockholders and shall have power to see and recover property, etc. by the name of the trustees of said corporation, and to settle and adjust all business of the corporation.

Dissolation Figure Errors, Corporations may be dissolved by presenting a petition to the superior judge of the county in which the office is located, accompanied with certificate of proper officers, stating that at a meeting called for that purpose cation, setting forth its mature and specifying the time and place it is to be heard, shall be given by the clerk of the court ypublication in some newspaper of the county one a week for eight weeks. If no newspaper is published in county, then in nearest paper published in the state. At time appointed the judge shall consider application, and it satisfied that facts stated or application and certificate are true, and that all claims against corporation are dissolared, he shall enter an order declaring the corporation dissolved.

origoration are discharged, he shall enter an order declaring the corporation dissolved.

Principal place of business may be removed into another county by flung certified copy of articles with the county anditor. It place of business is removed to some other place in the same county, publication shall be made once a week for four weeks in the newspaper published nearest to the present place. All the forecome provisions shall apply to origorations formed for the purpose of supplying pure and fresh water to ettles. For the formed provisions shall apply to originations formed for the purpose of supplying pure and fresh water to ettles. For the formed provisions for the present compensations (evecual those organized to do real estate business, and those having a majority of its capital stock owned by alteris may do business in files state upon compliance with the following provisions, to wit.

Filing and recording in secretary of state's office a certified copy of its charter and articles of incorporation.

Appointing an agent residing in this state at the place where the principal business of said corporation is to be carried on. Such appointment shall be in writing sained by the president or chief officer of said corporation, and shall authories and agent to accept service or process in all suits. ete

MANNA CORPORATIONS. In meorporations already formed, or which may be reather be formed under this chapter, where the amount of the empiral stock of such corporation consists of the aggregate variation of the whole number of feet, shares or interest in any mining claim in this state, for the or have been formed, no actual subscription to the empiral state of such corporation shall be necessary; but cach owner in said mining claim shall be necessary; but cach owner in said mining claim shall be deemed to have subscribed such an amount to the capital stock of such corporation is under its bylaws will represent the value of so much of his interest in said mining claim, the legal title to which he may by deed, deed of trust or other instrument vest or have vested in such corporation for mining purposes; such subscription to be deemed to have been made on the excention and delivery to such corporation is such deed, deed of trust or other instrument; nor shall the MINING CORPORATIONS. In incorporations already formed, been made on the excention and delivery to such corporation of such deed, deed of trust or other instrument; nor shall the validity of any assessment leviced by the board of trustees of such corporation be affected by the reason of the fact that the full amount of the capital stock of such corporation, as near-subscribed as provided in this section, provided, that the greater portion of san amount of capital stock shall have been so sub-scribed; and provided further, that this section shall not be so construed as to prohibit the stockholders of any corporation formed or which may be tormed for mining purposes as pro-vided in this section from regulating the mode of making sub-scriptions to its capital stock and calling in the same by to laws-scriptions to its capital stock and calling in the same by to lawsypress contract

or express contract.

Any person or persons, or company now incorporated, or that may hereafter become incorporated under the laws of this state, for the purpose of mining or manufacturing, shall have the right to purchase or appropriate, and take possession of and divertifion its natural channel, and use and hold the waters of any tiver.

# THE MINING DIRECTORY—LAWS.

ereck or stream in this state that may be required for the uning and manufacturing purposes of any Such person or persons corporation disches purposes of any Such person or persons corporation disches purpose disches and aquediests smithle and necessary for the controlling, directing and running such waters to the immes or manufacturing establishments of any such persons or persons, corporation or corporations, where the same may be intended to be utilized for such purposes; provided, that no such appropriation or diversor of the waters of any such appropriation or diversor of the waters of any such runs of the constructed, to the detriment of any person or persons, corporation, occupying the lands or being located below the point or place of such appropriation or diversion on any such stream or its tributaries, or above to below such dam, canal, reservoir, ditch, pipe, finne or aquediet, or of the owners of the operation of the such appropriation or diversion on any such canal, reservoir, ditch, pipe, finne or aquediet, or of the owners of the purpose of the properties of the such appropriation appears that any pass through or over or be situated upon, unless just and adequate compensation be previously a certained and and therefore. creek or stream in this state that may be required for the min-

### LHAS

Every person performing labor upon or turnishing material to be used in the construction, afteration or repair of any mining claim, building, whart, bridge, dike, future, timile, lence, machinery, wagon road, or any other structure, etc., etc., of who performs labor in any numeer or mining claim, has a fine upon same

torms arou in any name of mining caum, has a new upon some for the work or labor done of material turnshed Claim of hen must be filled in county anditor's office within menty days after the completion of the structure of improve ment upon which said work or labor was done or performed, or for which said material was form-bed.

The claim of hen must contain a statement than the changed after deligating all, usic greats soul of size

Let ut the channal rates deshering all just credits and oil ets.
2. The name of the owner or reputed owner of the property
into which then is claimed of known;
3. Aims of person by whom claiming was employed, or by
whom he turnshed the materials.
4. A statement of the terms and conditions of the contract of

X description of the property to be charged with the hen

a. A description of the property to be charged with the hor-sufficient for identification.

The claim of hen must be verified by the oath of the claimant of must be person to the effect that the athant behaves the same to be first.

The Iten can be forcelosed in an equitable action,

### MINING

MINING BURLM. For the purpose of encouraging and developing the production of ores and for the purpose of dissentianting valuable intofantion concertaing nones and malage through the universal powers of the state, a "unimal langual" has been equical consisting of the governor, heutenand governor and state treasurer.

and state (treasurer, GENERAL DELIES OF MINING, BURLAU - To collect reliable statistical information concerning the production and reduction of all precious and useful inherals of this state. To examine dif-terent processes for the freatment of ores used in this state, and to inquire into the inerits of other processes, to inquire into the telative merits of the various inventions, machines and mechan reather merits of the various inventions, macrones and necessive and necessive and necessive and papers which may be published, and all correspondence in relation to mines and manua, and to address and correspond with all parties and corporations engaged in mining, etc., etc.

Location and Possission of Mining Lodge

Locations will prossission of Mixioo Lodds All mining claims shall be governed by law in torce at three of beaton. Mining claims located after February 2, 1888, upon any vein or lode, etc. (whether located by one or more persons, shall not ex-ceed fifteen limited toef in length along the vein, and at the surface, but no bearton shall be made until the discovery of the vein or bode within the limits of the claim located. Rights of Locations. The locations of all maning claims on any mineral vein, lode or ledge on the public domain, and their heirs and assigns as found as the couply with the laws in re-lation therefore shall have exclusive right to possessed and ose of all the surface included in the location, and all veins, looks

of all the surface mention in the location, and an verus, root and ledges throughout their entire depth, and the top on apex of which hes within the surface line of their location extending downward vertically, although they may so far depart trom the perpendicular as to extend outside of the vertical side line of the ace location LLFS. The miners of each mining district may make titles

and regulations governing location and amount of work neces-sary to hold possession not in conflict with the laws of the United States or this state, but on each claim one hundred dollars, slow worth of work must be done in each year. First year shall date

States or IIIS State, on our case according to worth of work must be done in each year. First year shall date from date of location. Failure to comply shall work rotesting the state of th

location, etc., and other instruments shall be recorded in county auditor's office within thirty days after exception there of All records made prior to February, ISSA validated.
PROFETION of PERISON WORKING IN COAL MINES. The state is divided into two inspection districts. The governor shall appoint two competed coal mine inspectors for term of four incurs shall be made on recommendation of board of extininers consisting of three practical coal miners and one imming engineer, the said board to be appointed by the governor. The inspectors shall have resided within the district at least one year. Inspectors shall not be interested in any cert inner or one year. Inspectors shall not be interested within the district at least one year. Inspectors shall not commit any act marries to mines or office. State shall provide modern and best instruments, said instruments to remain property of state. Inspectors shall give bond for performance of fined dates in sum of \$5,000 with street all least once in every three months and make records or state and cast once in every three months and make records of state all least once in every three months and make records of state and inspectors have been made in the first all least once in every three months and make records of states office in the strength of accidents, deaths, etc. Record mines be completed by becember state each year, and be filled in secretary of states office and of the secretary of states of the secretary of states of the secretary of states of the secretary pulls and the secretary of states of the secretary pulls and the secretary of states of the secretary of s

report of each inspector published bacumally by the state in jumplied to into to tree di tribution.

Bearn of Evantschild offect of two years, meet becomed a state apparatus provided in the state of the provided inspection of the state and a state capital second Toesday in January, special meetings called any time by zavernow show office of our per end potential traveling expenses, but per diem shall not expect as open amount. At its The owner, agent or operator, etc., of all coal numerics of nimes showing workings thereof up to a feast six months prior to any given date. Within three months next after about a feast of the control of the state of

SYLLLY, Iso API, Fr.—Isoapement shafts shall be compped y firstarrows of helders well-randing places, or in hear thereof hosting apparatus. To be approved by inspector, all reach ments and hosting apparatus to be kept in good other and inspected every twenty from hours to competent persons em-

placed for that purpose

ALNTH ALDS OF COALMINES, F.G. A entilation must be equal
to at least one hundred cube, teet per minute to cach person,
measured at the tool of the down ask, the same to be increased
at discretion of inspector. At mist be forced to face of every
working place throughout man, so that mine shall be tree troit
smoke and gases. Mines must be inspected every morning
to intelange, with sately laine. Result of inspection shall
be marked at lare of each working place. After the Virgh, see a finite production of the properties of the tree of each working place. The consequence of the tree of each working place

when the machines of the tree of each working place.

where the distribution of the state of the second s

years and no female shall be employed or permitted to be in min-when employer is in doubt about age must be pure extincted trong parents. No boy under twelve to be employed in ord-sid-structures except electric in office and the body in ord-sid-structures except electric in office and in the body in ord-sid-structures and in the body in the body in the body in a good order and inspected once in six months by competent per son and result of examination certified to mine inspector. Livery steam body mist be futurished with steam gauge, water gauge and sately valves.

SECULES All underground, self-acting or engine planes on which coal cars are drawn and persons. Itavel shall be provide with proper means for signal-up between the sloping places and

end of said plane, and sufficient places of retuge shall be provided at the sides of said plane, not more than sixty feet apart and to extend six teet at right angles from the ral. (Such places of refuge not required when separate traveling road is provided

since in the surface metal angles from the rath. Such places and to wite adays to retair relatingles from the rath. Such places and to retain required when separate traveling road is provided our employes.)

Ac (1988), Etc., When loss of the and serious personal injury should occur from any accident in coal name the parties having charge of said mane shall give notice thereof to inspector of district, and, it death results. In the coroner of the perfect of the spector of district, and, it death results. In the coroner of the spector of district, and, it death results. In the coroner of the second a term not exceeding six months nor less than three months, or by both fine and imprisonment.

by oon time and impresonaicin.

LA MIERE FOR PROPS. The owner, etc., of mines shall keep sufficient supply of lumber for all needed props at or near opening of mine and shall at all times, send down, same when needed

or demanded. STEAM PLAR. In all names where coal is hoisted by SEEM PLACE. In all mines where coal is hoisted by steam power and there is no means of ingress or egress alforded to persons except by hoisting apparatus by way of sharf or slope, a steam pump conveniently situated with sufficient supply of water shall be maintained always ready for use in any part of the bindings or premises within intly feet of said coal hoisting machinery. In case of tailure to comply the grade of hoisting hardward by improved by improved by interesting the formal propose of removing injuried scatters and the centrality kept at or near mouth of all drifts, starts our shores.

shafts or slopes.

snans or stopes.

Doors, All main doors in coal nunes shall be so placed that wherever one door is open another having the same effect on the same current of an shall be and remain closed and thus pre-

the same current of an stant negative remain cross a and docept vent any stoppage of the current.

Ref. Les. At all names printed rules, approved by mining in-spector, regulating the daties of persons employed, shall be kept

spector, regulating the dulies of persons eimployed, shall be kept posted in comparious places.

CONDETING MINES. When two or more mimes are so located as to allow connection by permanent entries between, the right of way for such entry may be obtained in the manner provided by any law of eminent domain.

Tools. Addition needles and iron famping bars must be tipped with two melies of eapler. Failure or neglect to comply here, with punished by the labeling of the comparison of

each year.

All coal mined at bushel or ton rates must

WELGHANG COAL All coal named at bashed or for rates must be weighed and credited to name before being screened, etc. WELGHAAN. The weighman of coal shall take an oath to do instehe between employer and employe, and miners may employ at their own expense check-weighnain, etc. EACAVATORS TO BEFACED. All sharts, excavations and holes, whether used for mining or otherwise, must at all times be seemedy teneod. These requirements in relation to femeing has been described in statutory proceedings before justice of the peace or notice could.

be enforced in the station of processing some based on the police could.

SALLIX CAGES, All vertical shall be provided with non-bounded surely cases. The safety apparatus, whether consting of eccentric springs or other devices hall be securely fastened.

to the cage and shall be of sufficient strength to hold the cage loaded at any depth, provided the cable shall break. Fine for violation of this provision not less than \$500 nor more than \$1,000.

### OIL WELLS, SALT WELLS, ETC.

Whenever twentysis Narpayers each paying taxes on at least \$1,500 shall pelition county commissioner for appropriation of specific some for bornig for minerals, such as coal, oil, gas, sail, etc., the commissioner shall make estimate of probable depth, each etc. and shall call general election to vote for or against. The notice of election shall state this the amount to be raised, purpose of which used the proposed of the county of held by the county of leading the state of the county of held by the county of leading the county commissioners that any of them are reasonable, they shall let to lowest bidder; shall require from contractor county commissioners may after advertising same proceed to self-leaf the well, etc., proceeds to go to general county land. Counties on the county leading the county commissioners and after advertising same proceed to self-leaf the well, etc., proceeds to go to general county land. Counties out the county leading the coun than once in two years.

## WEST VIRGINIA

Compiled by Merrick & Smith, Attorneys at Law, Parkersburg, W. Va.

### CORPORATIONS.

OF MINING. The agreement for incorporation FORMATION should set torth:

1. Name of the corporation.

Name of the corporation.

The purpose for which it is formed.

Place where its principal office or place of business shall be

kept.
The mount subscribed to the equital stock, the number and value of each star man the equital stock, the number and value of each star man the amount to which corporators are the privilege of the energy of the experience. The agreement of the residents of the state, the more persons, the each of the residents of the state. It must be acknowledged before a notary public or some officer authorized to take the acknowledgment of deeds, and two of the corporators must make affidiary that at least ten per cent, of the capital subscribed has been paid in in good faith, and without any intention of withdrawing it before the dissolution of the corporation. Upon the filing of such agreement and affidiary with the secretary of state, he will issue a certificate of a corporation.

a emporation.

Our SIMATION AND BY-LAWS. The first stockholders' meeting unist be held not less than twenty-one nor more than ninety day after the date of the certificate of incorporation. At this content of the content of the certificate of incorporation at the latter is not direct, melading for a finite content, melading directors, and the duties and tenure of office, and compensation, except where this latter is left to the board of directors.

2. Time of animal election.

Time, place and manner of calling meetings of stockholders and directors

The general business of the corporation.

The general business of the corporation.

It desired, restrictions on the usual powers of officers.

These by-laws may be adopted by a majority vote of those present, and may be subsequently amended as provided by

the by-laws. The by-laws should be entered on the record and certified by

The by-laws.

The by-laws should be entered on the record and certified by the chairman of the stockholders meeting and the secretary. The directors may adopt by-laws gay erning their the stockholders, they do not conflict with the stockholders, they do not conflict with the stockholders, they do not conflict with the stockholders, they are stockholders, they are stockholders, they have been supported by the stockholders, and the stockholders, they are stockholders and the stockholders, and the stockholders are being a stockholder time.

P.A.V. G. MEFETING. The principal office or place of business may be in any state or territory of the United States or bestner of Columbia; and the needings of directors and stockholders may be held out of the state; but this cannot be done without the corrected of persons holding a majority in value of the stock, nor with the stockholders are not liable beyond the amount of stock subscribed by them. When that is paid up their personal liability ceases. There is no personal liability to debts or wages due to mechanics, workmen or laborers employed by the corporation.

Reports and Statements,—The board of directors shall make a report to the stockholders, at the annual meeting, of the condition of the corporation. The report shall show;

Property and funds of the corporation.

1. Property and funds of the corporation.

2. Estimated value thereof.

3. Debts due to it, distinguishing such as are deemed to be good from those considered doubtful or hopeless.

1. Debts of the convention of the contraction of the cont

4. Debts of the corporation 5. The capital paid in and the estimated surplus or deheiency

as the case may be. Dividends declared, and losses incurred and profits accru

6. FIVERCIAN GUARTHE, AND TO SEE THE OFFICE AND PROBEST AND THE SECRET A COPY of this report shall be furnished to each stockholder requiring it, with a list of the stockholders and their residences. But this report is not required to be published.

But this report is not required to be published.

FOREDS CORPONATIONS, No corporation incorporated under the bays of another state may hold property or transact ussues as in this state, until it shall have filed with the sceretary of state a copy of its articles of association and of the law and authority under which it is incorporated. A certificate that this has been done will be issued by the secretary of state, and this first beautificate shall be filled and recorded in the office of the clerk of the county round of one of the counties in which the business of the comparison is thought of the dealer of the clerk of the county count of one of the counties in which the business of the county for the county for the county for the county of the county of the counties which all be record to less than 500 nor more than 5000, for each month its failure so to comply shall continue.

### THENS

There are no lieus specially applying to a mining corporation, or to miners, but every workinan, laborer or other person who shall do or perform any work, or labor, by writtee of any contract or any incorporation doing business in this state, shall have a lieu for the value of such work or labor upon all the real state and personal property and personal property and personal property, subsequent to the time when the said labor was performed, but there shall be no priority between the personal property, subsequent to the time when the said labor was performed, but there shall be no priority between the person channing such incelances lieus. Such hen shall be specified unless the person channing it shall the with the clerk of the county court of the county in which such work or labor was performed, or in which the principal offler, works, teal estate or personal property of the company is siltuated, a just and true account of the amount due him after allowing all credits, which account shall be sworn to by the channant or someone for him, mine mouths before such hen was recorded.

In addition to the above, every nechance, builder, artisan,

nine months before such hen was recorded.

In addition to the above, every mechanic, builder, artisan, workman, laborer or other person who shall perform any work or labor or turnish any material or machinery for constructing, altering, repairing or removing a house, mill, maintatory of other building, appartenances, fixtures, bridge or other structure, is not a contract with the owner of his general shall have a licenth reterior in the interest of the properties of the reterior of the interest of the properties of the properties of the same namer, within says days from the time the last work was done or material turnished. Such hens will be hist onless suit is brought thereon within say months from the time the last or is recorded.

### MILLIDAMS

A person having on his land or proposing to build on his land a water null, or other machine, manufactory or engine useful to the public, and desiring to erect a dam across or in the water the public, and destring to creek a dam across or in the water course on which the same is strated, or to cut or enlarge a canal through lambs above or below, or to raise a dam, may apply to the circuit court of the county for the appointment of two com-nissioners to ascertain a just compensation to the owners of the commissioners to ascertain a just compensation to the owners of the value of a significant of the compensation. The super-turbulent is and make report of their assessment of damages. Exceptions may be made to the report, and either party may demand a jury to ascertain the compensation. Trom such trial there may be an appeal as in all appealable civil cases. On payment to the parties entitled of the amounts ascertained the applicant by such indement and payment will become seried in begun within one year and the mill completed to use within three years, or it the mill be destroyed, or become until to use, and the work of relanding be not commenced within two years. and the work of rebuilding be not commenced within two years, and completed within live years, then the title to the land shall revert to the former owner, his hers and assigns.

Recur to the former owner, his heirs and assigns.

Recur to a Way. Mining proporty is not subject to a right of way more than any real estate, nor does it have in its favor such right of way. Mine owners desting to drain their nimes of lands through the land of others may apply to the circuit court for the condomination of such right in the manner already described as to initialization. But it is doubtful it the statute can be entoreed, as such condomination can only be had for public uses, and the West Airginia supreme court have held a similar use not a public use.

A coal name cannot be unned within five best of adjoining kind, and the owner of such kind shall have the right once a month to enter the name, and if need be survey it. This right will be entered by a justice of the peace on complaint made.

### MINING

MINING CLAYMS ON THE PUBLIC DOMAIN. This state has no statutes regulating the location of such claims, and no lands on which they could be located.

### COAL MINES.

INSPECTORS. The state is divided into two minuse districts, and two mine inspectors, one for each district, are appointed by a fine the state of the

which shall be kept free from all obstructions that mixin prevent travel in case of an emergency, and it either of sand outlets be a shaft at shall be fitted with all proper apphaners, ready for immediate use, whereby persons employed may readily escape. This will not apply white work is being actually presented to communicate between said outlets, nor as to work being idencing the final abundonment of the mine, it not be than twenty per-sons are employed in the mine at any other than twenty per-sons are employed in the mine at any suitable ground to make a second outlet from the mine he may condemin ground therefor troom oftonium; and

second outlet from the name he may condemn ground therefor from adoming land (SAD IA MPELIMOES). A metal speaking rube from top to both the foliation of the shalf, and the assial and necessary substy applaineds in the horsting apparatus, must be provided, and once in every wenty four horst impected by a competent person. Only sober and competent origineers shall be put in charge of the machinery. Not more than ten persons shall rule in a car or eage, and on a londed car or eage no person shall rule, Retting holes every sixtly toet shall be provided on one safe of each slope.

ATMITYTICA Ample means of ventilation shall be pravided, addeding not less than one hundred cuba toet of air per minute for each person employed in the minical cubation and particular to each speed in the minical cubation and particular thermies. It shall be kept free of stranding gos in the abundon parts, and enfrances thereto closed, warnings posted, and self-closing doors long to day the the vicinitation therein. Tetareceles shift, all places where gas is known to or hable to exist must be examined by the 'the bass' with a safety knop, and or each examination he most leave the mark thereof, and working is short to the other parts and continued to the content of the provided of the particular of the provided of the provided of the provided of the particular of the provided of the particular of the provided of the particular of the partic not be permitted to enter until examination is made. The coal dust shall be watered down. Safety lamps so used shall be tur-

dust shall be watered down. Sately lamps so used shall be furnished by the operator of the male V "mining boss, shall be employed who shall be an experienced coal miner, or having two vears" experience in a coal mine, who shall see to all the interior workings of the mine, ventilation, safety, appliances, executions, tubering, dramage and other matters. The "mining boss of his assistant shall visit every working place at least once in three days and see that safety in

working place at least once in three days and see that safely in Morking place at least once in three days and see that safely in Morpic (1988). Proper treathers for entering and examining the inness hall always be alreaded the inspector, and it his require in its are not complied with, he may enforce them by croming the working of the major by maintenion obtained from the ericuit court of the county. As boys under tracke verys of age and Least Warner (1988), and the permitted to work in any name. Power nears a start, hand, at course of rather condoctable than a start and a s

PIXMITIS After or not less than Sourier more than 8 or tor Arolating the provisions of the act. The act applies only to those more employing ten or more persons in the two two thours 8 ATTS. Tach company or person operator, a condamne shall prough similable standard scales to be tested by the scale of

WI TO HY ASTERS A Weightman shall be employed by the operator of the mine, and the mines working therein shall employ one. If they trif to do so, then the weightman employed by the operator of the nine shall weigh the coal. Each of the persons so

Were, mere Berrom Schreinsten. All coul under contract for paid for by weight shall be weighed before screening, and it paid for by measure at shall be ascertained before serie init.

 $W_{\rm tot}(s)$ . It shall be unlawful for an company, it in or person, directly of indirectly, to issue, sell, 2(v) of d live) be any person comployed by  $\lim_{t\to\infty} \sigma(t)$ , in payment of wages shown or its advances on the wages of labor not due, any set v if d lidely to the d-directly decidence of d lidely d lidely decidence of d lidely decidence of

it shall be hable to a fine of not less than \$20 nor more than \$400, and at the discretion of the coart imprisoned not less than ten-nor more than thirty days.

The compelling or attempting to compel an employed purchase goods or supplies from a particular person is a misdemeanor, punishable by fine and imprisonment.

### QUARRIES.

Quarries are subject to the laws relating to real estate generally.

### REAL ESTATE.

The statutes do not innicate what shall be considered real estate, but fixtures and machinery would no doubt be counted such by the courts.

## WISCONSIN

Compiled by Cooper & Netson, Aftorneys at Law, Racine, Wis.

### CORPORATIONS.

CORPORATIONS.

GENERAL PROVISIONS RELYTING TO COMPORATIONS, Every corporation organized under any law of this state, when no ofher provision is specially made by law or by its articles of organization, shall have the usual powers vested in corporations, of making all necessary and proper centracts to effect its purposes and conduct its business; to she and be said and to appear and defend in all actions and proceedings in its constitutions, of making all necessary and proceedings in its constitution, of making all necessary and proceedings in its constitution, or the composition, of making all necessary and proceedings in its constitution, in the constitution of the composition, and to establish branch offices or places of business in this state or elsewhere; to make, amend and repeal by-laws and regulations for its own government and such others as shall be necessary or convenient for the recomplishment of its purposes; to take and hold property, both real and personal, and sell, convey or other measurement of the composition of the convenience and property, with the consent of a najority of its members, and to establish a majority of the parposes of the corporation, and no other, with the consent of a najority of its members, and to establish a majority of the directors of trustees of every corporation, convenience of the stockholders or nembers, and a majority of the stockholders or nembers, and a majority of the stockholders or nembers, and be capable of transacting any business thereof, except when otherwise specially provided by the laws or the articles of organization of the corporation.

OPTICE FOREYS NEWER BOOKS TO BE Provided Staff residence of the convenience of the stockholders or nembers, and be capable of transacting any business thereof, except when otherwise specially provided by the laws or the articles of organization of the corporation.

OPTICE FOREYS NEWER BOOK

expenditures, showing the amount disbursed for each class of objects and purposes.

FORFIGN CORPORATIONS TO APPOINT ATTORINGS TO RESIDENCE OF THE EAST OF THE PROPERTY SERVICE OF THOSESS. EVERY SOFTIGED OF COMPACTION FOR THE PROPERTY SERVICE OF THE PROPERTY SERVICE OF THE PROPERTY SERVICE OF THE PROPERTY OF THE PROPER

atteney or it has absence at his said office, in any action brought against dit in this state upon any cause of action arising out of any business or transaction in this state, shall be necepted irrelationey shall be subsequently appointed, with like authority, in this state. Such coporation can do no business in this state intil it comples with these provisions.

(APILM STORA NATHER OF TRANSFERRIE, Capital stock is documed personal persona against all parties, such transfer to be recorded upon the books

of the corporation or a new certificate issued before the rights of the corporation are affected. Transfer of stocks on books can, by proceeding, be compelled.

CONSIDERATION FOR WHICH STOCK MAY BE ISSUED.

of the corporation of a new terminate is a consistent with the corporation are alterted. Transfer of stocks on books can be corporated by the corporation of the deficiency.

Stock including the corporation of the corporation of the corporation of the deficiency of the corporation of the corporatio

to any hawfully appointed receiver or assignee of the corporation for their use.

Any stockholder may at all reasonable times inspect the book of the corporation. Every creditor of a corporation shall be informed at any time of the amount of capital stock of such corporation subscribed, the amount paid in, who the tockholders are, the number of shares of stock own the shares which because the shares which the amount impaid by each stockholder the shares which the amount impaid by each stockholder the shares which but in the shares which the shares which the properties of the posent who transferred the same and the amount due thereon at the date of such transfer. A complete record of the proceedings of the coporation shall be kept. Every stockholder is entitled to one vote for each share of stock. When the share we have the share of stock is the contract of the posential shall be kept. Every stockholder is entitled to one vote for each share of stock. When he was all the members of any corporation shall be present at any needing, however motified, and shall sign a written consent to the holding of such meeting on the records thereof, they may transact any business at such meeting which could lawfully be transact any business at such meeting which could lawfully be transact any business at such meeting which could lawfully be transact any business at such meeting which could lawfully be transact any business at the lawfull such proporation regularly called and notified. Unless otherwise provided, election of others shall take place annually.

act any business at such meeting which could having be thins acted at any meeting of the members of such corporation regularly called and notified. Unless otherwise provided, election of officers shall take place animally meeting of the command of the composition shall have remained insolvent, or shall have neglected or refused to pay and discharge its notes or other evidences of debt, or shall have remained insolvent, or shall have neglected or refused to pay and discharge its notes or other evidences of debt, or shall have suspended its ordinary and lawful business to one whole year, it shall be demoded to have surrendered the rights, privileges and branchess granted or required up, and shall be admighted to be dissolved or required of the rights, privileges and branchess granted or required of the vidences of the state of the rights, privileges and branchess, and not the fact of discretion it may still continue as a body corporate for a period of three years for the purpose of settling its alars.

BY 10 FMS NOT TO BY PAD, WHYS. No dividends shall be failed to the stockholders of any corporation until the emptod stock has been tally paid. In, Machodeless of corporations, all be said out of the right of the stockholders of any corporation until the emptod of the stockholders of any corporation until the emptod of the right of the stockholders of the corporation until the emptod of the right of the stockholders of the stoc

or more of the following named purposes. For any lawful mer-cantile, trading, mining, smelling, quarrying, producing, lumber-ing, manufacturing business, etc. Articles of incorporation of the produced of the production of the control of the comparison of the articles, and the original articles, or a copy verified as such by the affidavit of two of the signers thereot, shall be recorded by the register of deeds of the county in which the corporation is located, and a like verified copy shall be field within thirty days with the secretary of state. The first meeting of any scock corpo-ration may be held after one-half of the capital stock shall have been subscribed. At least twenty per cent, of the capital stock must be actually a state of the control of the capital stock must be actually be actually the stockholders from among their must be a constant of the control of the capital stock shall be chosen animally by the stockholders from among their must be as a provided by the articles of organization or the by-laws, and shall hold one year and until their respective successors are chosen, everyt that when classified by the articles of organization they may be elected to hold accordingly.

### TIFXS

Who MAY HAVE WHAT SUBJECT To. Every person who, as principal contractor, irclutect, each engineer of surveyor, per-forms any work or labor, furnishes any materials or prepares any plans or estimates for, in or about the creetion, construction. a principal and the Mark States of the magnetic experience of the appropriate of the magnetic plants of estimates for, in or about the creetion, constituction, require, protection or removal of any dwelling loanse or other building, or any machinery erected of constructed so as to be or of any bridge, or in the filling upon any water lot, or the construction for the construction of the magnetic plants of the filling upon any water lot, or the construction for the construction of the construction for the construction of the const premises, and such person not having an interest in such building or premises in or connected with which such machinery is placed. or premises in or connection with which such maximity is parent, sufficient to a lien, to secure payment for said machinery, the person furnishing such machinery shall have and to to not be upon such machinery, and shall have the right to remove from such building or premises such machinery, in case, there shall be igon such innellinery, and shall have the right to remove from such innelling or promises such machinery, in case there shall be detaill in the payment for such machinery when due, leaving such bindhig or premises in as good condition as the web before such machinery was placed in or on the same. And when ever the doing of manual labor on and for which a horizontal cover the doing of manual labor on and for which a horizontal cover the doing of manual labor on and for which a horizontal cover the doing of the same and the same as a single thing, and such readled or structure and as a part of a single thing, and such readled or structure is not limited in extent to one acre of land in an incorporated city at all age of the forty acres of land outside such city or all age, but extends over and acres more than forty acres of land, whether within or without or partly within and partly without are or forty acres, as the case may be, in this section contained, shall not apply, but the party out the shall have a ben upon at the interests of the owner in and to the whole of said continuous readled and structure and the whole of the land of the continuous residence of the purpose of such readled of the band of the continuous small of the purpose of such readled of structure, and the office of the clerk of the current count of such county in which such roadled as situative or partly situate; and such hen may be recolously as which perform, of a copy thereof, shall be the in the collect or entered by the party entitled the tor in the city in counts of the said countries in which the said can be partly and the said to the structure, it said, shall be seed as one continuous and single line.

All No. 2. Schoos Mark when Ass. Emproves. We said refuge.

bed or structure, it sold, shall be seed as one continuous and single-thing.

LIES OF SELECCEPTED AND EMPLOYES MISBERTH SYMALOSS AS TO USE OF MATHEMAS. EVERY person who, as sub-contractor of a principal contractor of complete of any many contractor of a principal contractor of sub-contractor, as sub-contractor of a principal contractor or sub-contract or, in any of the cases mentioned in the preceding section, shall be entitled to a hen, at, within sayly days after pertorning such work of labor, or termissing such materials, he shall give notice in writing to the owner or his agent of the property to be absorbed by such then, setting forth that he has been employed by such inseperformed or turnshol such work, labor or material, with a statement of the labor performed or materials turnshol, and the amount due therefor from such principal contractor, as to be statement of the good personner of macetais numseed, and on-amount due flueted from such principal contractor, and that he clauss the ben given by law. In all cases where a her shall be field by an person other than the principal contractor it shall be the duty of the principal contractor to detend

any action brought thereupon at his own expense, and during the pendency of such action the owner may withhold from the contention of such as the field and in case of pudgment against the owner or his property upon the lien, he shall be entitled to deduct from any amount due by him to the contractor the amount of such judgment and costs, and, it he shall be a settled with the contractor in full, shall be entitled to recover back from the principal contractor any amount so paid by the owner, for which the principal contractor was originally liable. And any contractor or subscontractor who shall purchase materials on excell, and of no description of the principal contractor was originally liable. And any contractor or subscontractor who shall purchase materials on the credit, and of in a description to be used the said material in the constructor of any building or improvement, and shall thereafter use or caused to be used the person from whom the materials were purchased, with intent to detraind such person, shall be deemed guilty of a mission cand on conviction shall be punished by imprisonment in the county and not note than three months, or by a fine had exceed-

ing 8300. Such claim for hen shall contain a statement of the contract of

coming Same more main times monitors, or by a fine for everence Same Same and the contract of the contract of

Extris Government Mental Results. Where there is no contract between the patties of terms extablished by the lands out to the contract the toff course it is and to particularly the contract the toff course it is and to part atoms shall be applied to more contracts and leases for the diagram of own and immentals are 1. No tense to first, arthority out their made to a miner to start in the contract of the diagram of the shall be a to be shall be a to be a superfection of the shall be a superfection of the shall be a shall note this rigidal by negligible. The discovery of a reviewe of range containing often time rates had formful the discoverer to the ones of in metals pertaining the refer subject to the rigid by the shall not the discoverer to the ones of in the threshold but such miner shall not be emitted to recover any orange of nine at 50 miner at 50 miner shall not be confirmed.

his limidist, before as well as after the ores or numerals me sparated from the tree-field but such numers half all to be entitled to recover any ores or tame as or the value the tool, from the person diagrag on his tange in good half, and known to be mining the room, and, ne shalf have tyen notice of his elemin and he shalf be entitled to the ores or numerals dug after such notice. It stages and ensembles to be used to be a first such notice of the entitled to the original stages and ensembles to be used to be a such as the property of the elements of the entitled to the stages and ensembles of the used to be a such as the property of the elements of the entitled to the elements of the entitled to the entitl

per son by whom hand of and delivered, the name of the occurs of the land torm which the ories or muerals were obtained of the land stone whether the ories of metals are obtained of the third. Said book shall be kept at the further, or at the usual place or business of such smeller of putchase) of the lazy of, in this state, and shaft be open from persons at transmitted to the say of the say o

and hold stock in any corporation, foreign or domestic, formed for the purpose of manufacturing, creating or generating any kind of power or light, to be used as a meclamical agency, when such power or light is to be used wholly, or in part, in taclificating the operations of such mining smelting, quarrying or manufacturing company, or the transaction of its business.

### WYOMING

### CORPORATIONS.

CREATION AND REGULATION. Three or more persons who may desire to form a company for the purpose of carrying on any standard manufacturing was presented to manufacturing was presented to the property of the purpose of carrying on any branch of business designed to add to the industrial or productive interests of the country, may make, sign and acknowledge, before some officer competent to take acknowledgment of proportion of the state of the company which shall be stated the corporate name, the object, the capital stock, the term of its existence, not to exceed fifty years, number of shares, the number of trustees and their names, the name of the town and county in which the operations of the company shall be carried on, and shall fit one of the said certificates in the office of the county carried on, and one thereof in the office of the scretary of state, and one thereof in the office of the scretary of state. CERTIFICATES AS EXTREME CORPORATE POWERS,—When and certificate is certified to by the scretary of state, it shall be evidence of the existence of such company, which shall be a hody politic and corporate, and by its name have succession, be capable of sung and being such, and have a common seal, it shall be wise, holding or conveying by deed or offerwise, any read or personal estate necessary to enable the said company to carry on the operations named in the certificate.

wise, holding or conveying by deed or otherwise, any real or personal estate necessary to enable the said company to carry on the operations named in the certificate.

TRESTES, Not less than three nor more than mine trustees, who shall respectively be stockholders, and animally elected by the stockholders at such time and place as shall be directed by the stockholders at such time and place as shall be directed by the stockholders at such time and place as shall be directed by the stockholders at such time and place as shall be directed by the stockholder shall be entitled to as many votes as he owns shartes of stock. When a vacancy shall he pay ballot, and each stockholder that the time to elect trustees shall happen among the trustees it shall be filled to the remainder of the year as the by-law provide. The triliure to elect trustees shall not dissolve the company.

ASSESSAN PATS OF CAPITAL STOCK. The trustees may demand from the stockholders, respectively, all such sams of money by them subscribed as the trustees shall deem proper, not to every them such as the same vaccinate of the stockholders. It has continued to the stockholders are provided, shall have the power to make by-laws for the management of the business affairs and disposition of the stock of the company, nor many other company for in its own; provided, however, it can hold and own any stock and to any amount any other company that is or may be subsidiary to and that does contribute to the objects and purposes of the first company and that the state of the stock of the first company and that the state of the stock of the company and that does contribute to the objects and purposes of the first company and that the state that the state

named.

mancel.

LIMBLITY OF STOCKHOLDLISS. The stockholders shall be severally and individually hable to creditors to the amount of the impaid assessments on capital stock held by their respectively, for debts and contracts made by the company.

GENERAL DOWERS OF CONFORTIONS, Every corporation under the provision of this chapter, as such, has power.

1. To have succession by its corporate name for the period limited in a sectificate of charter.

- To sue and be sued, complain and defend in any court of law
- or equity To make and use a common seal, and after the same at
- pierswite.
  To hold, purchase, and convey such real estate and personal estate as the purpose of the corporation may require.
  To appoint such subordinate officers and agents as the business of the corporation shall require, and to allow them a
- suitable compensation. To make by-laws, not inconsistent with any existing law, for the management of its property, the regulation of its affairs, and for the transfer of its stock.

and for the transfer of its stock. Full-paid stock may be issued for properly. Any corporation may increase of diminish its capital stock to any amount which may be deemed sufficient and proper for the purposes of the corporation.

purposes of the corporation. ACLEPANCE OF CONSTITUTION BY CORPORATION. No corporation organized under the laws of Wyoning or any other introduction other than the state of Wyoning shall be permitted to transact business in the state until it shall have accepted the constitution of the state. Every acceptance of the constitution of the state. Every acceptance of the constitution shall be ideal and recorded in the office of the secretary of state, who shall note on the margin of the record the corporation filing such acceptance, and the fact that the same is filed.

LIENS ON PERSONAL PROPERTY. Any mechanic, artisan or other person who shall bestow labor upon any article of personal

property at the propost of the owner, or who shall furnish materials for making or repairing same, shall have a lien thereon nor his reasonable charges afterior.

APPOINTMENT OF APPRAISHES.—If the foregoing charges are not paid within thirty days, the person to whom such lien is given not paid within thirty days, the person to whom such lien is given not paid within thirty days, the person to whom such lien appoint appoint three appraisers of appraise the solar, more outless of personal property on which such hen is claimed. The justice shall thereupon appoint three appraisers who shall, under outle particles within the days after their appointment ratseement to the justice within two days after their appointment whom such lien is given shall give the days from notice of the time, place and terms of sale, within the county; if not, by publication in some newspaper, and shall transmit by mail to the owner a copy of such notice. The shall transmit by mail to the owner a copy of such notice. The shall transmit by mail to the owner a copy of such notice, the party chaining a hen may properly an unite auction, for each, in accordance with the notice, between the hours of 10 A. M. and 44. M. of the day appointed, and from the proceeds pay the costs of such appraisement, notice and safe, and saftsty his lien. The residie of the safe shall be made for best than two-thirds of the appraisement. May the safe of the safe shall be made for the such and well as the May 100 for the party when the many 100 for the party when the value of the articles sold,

MINERS' LIENS -LIEN OF LABOR.-He who shall work, at the request of the owner thereof, in a vein or lode, mine or bank, shall have a lien thereon to the amount due at any time when a demand shall be made upon such owner and payment shall be

LIEN FOR MATERIALS. Any person who shall labor as a mechanic or otherwise, or who shall furnish materials for creet-ing or constructing apparatus upon any mine referred to in the precedung section, shall also have a lien upon the name for his reasonable charges.

icasonable charges.

LIEN OS OIL LANDS, All persons performing labor or furnishing materials shall have like lieus upon oil territory upon which he labored or furnished materials, as miners or other laborers upon or in mines, as provided in this chapter.

Si peters we contribute a provided in this chapter. So between the contribute of the contribute of the contribute of the contribute of the monant of his chapter of the contribute of the amount of his chapter of the contractors; and the owner shall thereupon notity the contractors of the contribute of the monant of sagreement has to the true sum due, the account may be amicably adjusted. But if within thirty days after the receipt of such notice, the contractor so not notify the assistanting to the demand, and the owner shall be justified in paying the sum when it becomes due.

as asseming on the arman, and me was a same a same appropriate the paying the sum when it becomes due.

AGAINST WHOM LEEN HOLDS,—The lien shall hold not only against the owner of the mine, but against all persons who shall have purchased such mine.

against the rower of the man, and against air persons who shall all the persons of the man of the m

shan anon upon or furner undergase or any omitting of improve-ment upon land shall have for his work or naternals a ben upon such building or improvements, and upon the land belonging to such owner on which the same are situated, to the extent of one acre, to secure the payment for such work or materials furnished.

acre, to seeme the payment for such work or materials furms lead. Said lien is a prior incumbrance upon said kand and improvements, and any person enforcing such lien may have such building the same within a reasonable time.

Fig. 30 and Right 184118 or LIEN. Every original contract shall within unitely days, and every subscontractor or laborar within fifty days, lie in the office of the register of deeds of the proper contract a laborary a last and true account of the demand due, which proper county a use and true account of measurements with a new scriptions of the property, with the name of the context of contract-or, which shall be verified by oath, provided the original con-tractor shall not the a hen prior to the expiration of sixty days after the completion of this contract. PERVINES AND PRAYIES. The practice under this chapter

PLEMINOS AND PRACTICE. The practice under this chapter shall be the same as in all ordinary evid actions, except as other-wise provided. Every person, except the original contractor, shall give ten days notice in writing, before fulling the lien as herein required, to the owner, stating therein the amount of his claim, and from whom it is due. It is then the duty of the con-tractor to detend at his own expense, and during the pendency thereof the owner may withhold a sufficient sum of mories to pay the claim and the costs of court, which uncludes \$25 for attorneys' tos.

PRICEIV OF LIES. The hen for work and labor performed and material turnshed, as aloresaid, shall be preferred to all other incumbrances which may be attached to such building or ground subsequent to the commencement of such buildings or miprovements

### MINING.

LODE AND PLACER CLAYMS. In any mining district the numers may meet and organize and elect a recorder and make regula-tions, not in conflict with the laws of the United States or this state, governing the bocation, manner of recording and amount of annual work necessary to hold possession, subject to the following requirements.

1. Any five miners owning in part or in whole claims within the

1. Any five numers owning in part or in whole claims within the proposed district shall give at least three written indices of a meeting called by them for organizing such district.
2. The meeting must be attended by at least ten persons, owning in part or in whole claims within the proposed district.
3. The reconder elected shall hold office multi his successor is elected and qualified, he shall give bonds for all field shalls shall give bonds for all field in the other which shall be approved by the probate pulge, and then the other hands of the properties of the properties of the properties of the properties of the properties.

which shall be approved by the probate judge, and men in the onner of the county elerk.

5. When a district is once organized it cannot be subdivided, except in accordance with the local basis of the district, or by action of the legislature. It cases of abundonment the recorder shall deposit all records pertaining to his office in the office of the register of deeds of the county.

5. Each mining district may regulate the rees for recording certificates and other instruments.

The laws and records of scale mining district shall be filed with

The laws and records of each mining district sharper grey wan the county register of deeds.

MISING WATER-RIGHTS, Any person mining or milling in the state shall have the right to bring water from mines or natural water-courses as their business interests may require.

natural water-controls as their followers may require, probabil a shall not in M. I maning claims shall be subject to the right of way of any distribution for mining purposes, or of any trainway, pack trail or wayon fond across such claim or properly provided, such trail or wayon fond across such claim or properly properly without the consent of the coveresced against such update the distribution of the coverescent against such a such as the control of the coverescent against such as the coverescent against t

provinged, shert tigm, or way shall not be exercised against shell properly without the consent of the waver, except in condemination, as in the case of fand taken for jubble highways. The owner of the surface property may demand satisfactory scenario from the inner, which it refused, will gave the right to said on eigenful of the surface to enjoin miner from working such mine. It is fast, or where it is closered to change the surface boundary or where it is closered to change the surface boundary or where it is closered to change the surface boundary or where it is closered to change the surface boundary or where it is closered to change the surface boundary or where it is closered to change the surface boundary or where it is closered to change the surface boundary or which is sufficient to the surface for the configuration for the purpose of obtaining possession of any inneral chain then in the actual possession of any inneral chain then in the actual possession of any inneral chain then in the actual possession of another, by torce, threats or stealth, and they shall proceed to carry out such purpose, such persons so engaging shall be guilty of a most innerior, and upon conviction shall be fined a penal sum not exceeding \$25, and be imprised in the country all rot not less than sayly days nor more than say mantlest.

er cding \$25, and be impresented in the county pall to not best than \$1M table MI NOR. My person who shall maxwhighly destroy any mining property shall be guilty of a must ememor, and upon convertion thereof shall be fixed a penal sim of noney not best than \$1 nor more than one county to the shall be fixed as a few more than one county of the shall be fixed in the fixed than their than the shall be shall engage in any swinding, in the lation to any mine of mining property, designed to cheat and deceive others tor the purpose of gain, shall be guilty of a below and upon conviction thereof shall be the dialy penal sain of not less than \$50 not more than \$5.50, or impresented in the periods.

or both.

Protis (1608 of 81044). Any persons who have sink inin mg-shafts (1600 any mining claim shaft forflividh scente such shafts and openings against the minity of live stock, (mining at large upon the public domain, by covering them in a manner to render them sate, or by making a strong force around such shaft or openings aforesand. Any persons who shaft hall be eshiply of a misdementia and, upon cenction, shall be hable for damages sustained by loss of live stock

thereby SIZE OF CLAIM. The length of any immag claim located with in the State shall not exceed litteen hundred treet horizontally along such your. The waith shall not exceed thise hundred test on each safe of the discovery shall. An description of the discovery shall be the shall be the discovery that it is the shall be the discovery that it is the manual distinct, it shall shall be the manual distinct, it such district be organized, and shall, within one hundred and twenty days, record the same with the country deck and excellent resistent of deeds by location extingete, which shall contain the following facts: 1. The manue of the located horizont, 4. The length and general course of the year, as the shall excellent of beatons; 3. The data of location, 4. The length and general course of the year, as brains a sknewn. 5. The manual of the surface ground changed one that

side; 6. A description of the claim by such designation of fixed objects as shall identify the claim beyond question.

This cover to K Richers. The discoverer of any numeral vein shall have a period of one hindred and twenty days in which to sink a discovery-shaft. A discoverer of any place claim shall, within thirty days, record such claim with the recorder of the mining district, if such distinct be organized, and shall, within unity days, cause to be recorded such claim with the recorder of deeds of the county by a boardion certificate, which shall entain of the county by a boardion certificate, which shall entain. The name of the location, 3. The date of location, 4. The number of tect or acres thus claimed, 5. A description of the claim by such designation of natural or fixed objects as shall identify it beyond question. question.

questions. For Priver CLAIMS. When any person has held and vocked his chain in conformal with the laws of this skid-and the regulations of the imming district for five successive veins after the 1st day of January succeeding the date of loca-tion, he shall be entailed to proceed to obtaining a patient for his claim from the United States without performing further works. Coal names are not included in this act

### COME MINES

Myrs. Every operator of a coal mine shall cause to be made an accurate map of such coal mine, of a scale not to exceed two hindred test to the mich, which shall exhibit all the opening, and shall show the direction of the arc currents therein, and the boundary interest so an architecture of the second maps of the state inspect of coal mags. Sind operator shall as often a some in every say unofful accountly tric or a plan of the event vation made, and or all the working places distinct the property of the state, and shall remain in the care of the inspector of coal mines. It said inspects to believes say alpha to be inaccurate, he may authorize a correct plain made at the expense of the operator of said map.

may authorize a correct plan made at the expense of the operator of soft line.

Openings to Br Wanning in the sond mine is no person shall work in any coal mine, index such mine is no communication with at least two operatings by a distance of not less than fifty best. When a second opening is made, not be exceed a sensity live test in a retained about a second solution in a social opening of the set apart excits well for increase and surgle of sixty degrees in descent. The bestian interference in each review of the first shall be kept as an excited on an appear to any read men shall be kept as an employed for that purpose. The open ator of any read men shall not after in the posent men each time of any read men shall not atom therefor ample for any of which the property of the property

initiarilabeliar ge of Fish (e.s. 4.11) s, in of shower of the state of Woman;

APPLAIS (1988) Decisions of (III) INSPECTOR: The inspector shall exceeds a sound observed on in the entorement of the anticesand pt viscous, and if the operator shall not be satisfied with its obeyon the mary within three individual for the factor in product of the court of the court in which the market appeal to the district court of the court in which the market appeal to the district court of the court in which the market appeal to the district court of the court in which the market open in a tortical which is not decision is shall be building and court best of the Thouritt into X. Boys and it the agent of the district in an indicated any could not be. The state inspector, on each visit to any man of shall make a or it for a pert of the court on a which he heads t, and post the same in the other of the notice.



# MINING LAWS

# THE DOMINION OF CANADA

# REGULATING THE DISPOSAL OF LANDS CONTAINING MINERAL OTHER THAN COAL

1-02

EMBRACING RULES AND REGULATIONS GOVERNING QUARTZ MINING, PLACER MINING. NATURE AND SIZE OF CLAIMS, RIGHTS AND DUTTES OF MINERS, ADMINISTRATION BED ROCK FLUMES, DRAINAGE OF MINES, DITCHES, GENERAL PROVISIONS, INTER PRETATION, HEARING AND DECISION OF DISPUTES LEAVE OF ABSENCE, MISCEL LANEOUS, FORFEITURE AND SCHEDULE OF FORMS.

These regulations shall be applicable to all dominion lands with the exception of those situated in the proximo of Bilt's Columbia, containing gold, silvet, emissia, lead, tin, coppet, non-or other mineral deposit of economic value, with the exception of

Any person of persons may explore vacant domainon lands 2. Any person of persons may explore vacant domainon finds not appropriated or reserved by government for other purposes, and may senich therein, either by surface or subtotance in pro-perting, for immertal deposits, with a view to obtaining under the regulations a mining beation for the same—but no man ig beat or or mining claim shall be granted until actual of covery hardson, made of the vein, bode or deposit of mineral or metal without the limit, at the begivtion or given.

### OF VELY MINING

3. A location for mining except for ron energy of some of ledges of quartz of office took in place. Bull not except the non-lowing dimensions. It is first his hill not be more than 1 from the factor of the no-died feet, it's breadth not more than so binative to 2 of a state boundaries shall be parallel lines, except where proof for it is now see vent, in what case it may be of a nor hape a may be registered by the superintendent of mines. It for it is shall not for more than by the superintendent of mines. It for it is shall not be more than the three treat planes in which its surrow boundaries of con-taining location therefore, and there regular does not have a minimal location therefore, under those regular does in the robots.

It was person having discovered a nameral by proclamacy of a factor of the matter of the half mark the best more than the content of the half mark the best more than the content of the half mark the best more than the content of the half mark the best more than the content of the half mark the best more than the content of the top content of the top content of the top content of the top content of the conten

the nearest suitable point of a witness post, which in that case

the nearest smitch point of a witness post, which in that cases shall contribute some mathe as those presented in the state in the same mathet as those presented in the state in the same mathet as those presented in the state in the state of the state of the time of our trong part of the state of the state of the time of our trong part of the state of the state of the state of the time of our trong part of the state o

alternative of waining until the complement of a surveyor by the soverment to mother work in the vicinity of the claim renders it consists to have the survey made at a cost not exceeding 830, or of sooner precuring, at his own cost, its survey by a duly com-missioned surveyor of dominion kinds, under instructions from the surveyor-general; in the latter case, on receipt of the plans and neld-hotes of the survey and approval thereof by the sur-veyor-general, as herealbed by provided, the channat shall be cu-

cyclo general, as hereinhetore provided, the claimant shall be entirelied to receive his patent, and to have returned to him the \$30 deposited by him to defray the cost of survey.

8. Should the claimant, or his legal representatives as atore and that the prove within each year the expenditure prescribed, in his time for the contaction of the provided properties of the provided provided for the case of the price hereinbefore fixed for such mining location, and also to pay the sum of \$50 hereinbefore prescribed for the survey of his location, then any tight on the part of the claimant or of his local representatives in the location or claim on his or their part to nequire it shall lapse, and the location of claim on his or their part to nequire it shall lapse, and the location will all thereupon revert to the crown and shall be held, along with any immovable improvements son, or as the immister of the interior may direct.

(a) In cases where applications for mining locations are made

son, or as the immister of the interior may direct.

(a) In cases where applications for mining locations are made
in respect of lands within surveyed fownships, they must conform to the regular system or surveys, that is, the location shall
be either legal subdivisions or regular subdivisions thereof, and or concernegas monvisions or regular subdivisions thereof, and prior to the application being grainted it shall be necessary to stake out the location, at least approximately, on the ground, and it shall be surveyed by a dominion land surveyor, acting under justinctions from the surveyor-general, within one year

more instructions from the surveyor-general, within one year thereafter.

(b) If applications for mining locations are made within a township of which at least one boundary has been surveyed, to protect himself the discoverer may stake out his chain in conformity will these regulations, but before the Issue of the patent, the claim shall, it required by the minister of the interfer, be desired to the patent of the machine of the machine of the patent, the claim shall, it required by the minister of the interfer, be desired to the patent of the interfer of the patent of the patent of the patent of the interfer of the interfer of the patent of the interfer of the interfer of the patent of the pa

Not more than one mining location shall be granted to any

- 11. Not more than one mining location shall be granted to any individual elaminating in the same bode or vein.

   Where land is used or occupied for milling purposes, reductions, or other purposes medicatal to mining operations, either by the proported of a mining location or other person, such hand may be applied for and patented, either in connection with or separate from a mining location, in the manner herein before provided for in the application for and the patenting before provided for mile applied in addition to any such mining location, but such additional land shall in occase exceed five acres in extent, and shall be paid for at the same rate as a minima location.
- ing location.

  3. The minister of the interior may grant a location for the mining of from not exceeding one lumidred and sixty zeros in area, which shall be bounded by die north and south and east and west lines, and its breath and length shall be equal. Product, that should any person making an application purporting to be for the purpose of mining from this cottain, whether in good aim to it inaddently possession of a valuable mineral deposit other than iron, his right in such deposit shall be restricted to the area hereinbefore prescribed for other numerals, and the restricted to the location shall thereupon revert to the crown for such discussions as the numeral candidate. position as the minister may direct.

of the location shall thereupon revert to the crown for such disposition as the minister may direct,

4. When there are two or more applicants for any mining
location, no one of whom is the original discoverer or his
assignee, the minister of the interior of hesces of to dispose of
assignee, the minister of the interior of hesces of to dispose or
assignment for machine, as he may deem expedient.

15. An assignment of the right to purchase a mining location
shall be indoored on the back or the receipt or certificate of
assignment of ours. Rand G, in the schedule heretoe, and the
excention thereof shall be affected by two dismicres fed witnesses upon the deposit of the receipt or certificate with such
other of the agent, accompanied by a tegistration too of 82, the
agent shall give to the assignee a receipt in the Form G in the
agent hereto, which certificate shall centife the assigne to
all the rights and privileges of the original discovered in respect
of the claim assigned and the sind assignment shall be for
warded to the minister of the interior by the agent, afthe same
lands, and shall be registered in the department of the interior,
and no assignment of the right to purchase a minima location
which is not inconditional and in all tespects in meacondance with
the provisions of this claims, and accompanied by the agent or
tegister of in the department of the interior.

16. It application be made under the next preceding clause by the assumee of the right to purchase a mining location, and such claim is duly recognized and registered, as hereinheter provided, such assignee shall, by complying with these regula-tions, become entitled to purchase the location for the price and on the terms prescribed thereby.

### PLACER MINING.

17. The regulations hereinbefore laid down in respect of quartz mining shall be applied be to placer mining so far as they relate to entries, entry fees, assignments, marking of locations, agents' receipts, and generally where they can be applied, save and except as otherwise herein provided.

### NATURE AND SIZE OF CLAIMS

18. The size of claims shall be as follows: (a): For "bar diggings," a strip of land one hundred feet wide at high-water mark, and thence extending into the river to its lowest water level.

at high-water mark, and thence extending into the river to its lowest water level.

(b) For "dry diggings," one hundred teet square,

(c) "Crock and river claims" shall be one hundred feet long, measured in the direction of the general course of the stream, and shall extend in world from base to base of the hill or bench on each stoic, but when the hills or benches are less than one provided, however, that in any case where the distance from base to base of the hill or bench exceeds ten chains, such claims shall be laid out in areas of ten acres each, the boundaries of such areas to be areas each the boundaries of such areas to be defined and cast and west lines, and if within surveyed territory the said area of ten acres shall consist of one-fourth of a legal subdivision, and shall be marked on the ground in the namery prescribed by these regulations for one-fourth of a legal subdivision, and shall be marked to the ground in the market properties of the same regulations for such claims intersected by creek or river shall, in addition to the stakes at the four corners thereof, have the points at which the stakes at the four corners thereof, have the points at which the same depth and showing the same length and showed in the post-prescribed by these regulations in respect of quartz mining each properties of the same size which shall be driven into the ground the same depth and showing the same length above it as the post-prescribed by these regulations in respect of quartz mining each is such as the post-prescribed by the same size which shall be driven into the ground the claimant in tall and the date of such marking.

(d) "Bench claims" shall be one hundred teet square.

(e) Every claim on the face of any hill, and trouting on any attract stream or ravine, shall have a frontage of one hundred teet, drawn parallel to the mann direction thereof, and shall be aloned, as nearly as possible, in the manner prescribed by Sections of the castidished to the satistaction of the

(our or these regulations, (i) If any person or persons shall discover a new mine, and such discovery shall be established to the satisfaction of the agent, claims of the following slze, in dry, bar, bonch, creek or hill diggings, shall be allowed.

To one discoverer (200 feet in length.

" a party of two GOO

tour THEFT and to each member of a party beyond four in number, a claim of the ordinary size only.

of the ordinary size only.

A new stratum of afriferous earth or gravel, situated in a borality where the claims are abundoned shall, for this purpose, be deemed a new mine, although the same locality shall have been previously worked at a different level, and dry diggings discovered in the yearnty of bur diggings shall be deemed a new mine. and vice versa

### RIGHTS AND DETTES OF MINERS.

19. The torms of application for a grant for placer mining and the grant of the same. Shall be those contained in Forms II and I in the schedule hereto.

20. The entity of every holder of a grant for placer mining must be renewed and his recept relinquished and replaced every year, the entry tee being paid each time.

21. No miner shall receive a grant of more than one mining claim in the same locality, but the same inner may hold any minimer of claims by purchase, and any miniter of miners may unite for work their claims in common upon such terms as they may arrange, broaded such agreement in registered with the agent arrange for a fine property of the same inner claims in common upon such terms as they may mine or fine a green grant or registered with and a green grant in registered with and a term of \$2 point to the agent, who shall thereupon give the assignee a certificate in Form J in the schedule hereto.

23. Every miner shall, during the continuance of his grant, have be exclusive right or entry months own claim, for the miner-time continuance of this grant, have be exclusive right or entry months own claim, for the miner-

the exclusive right of entry mon his own claim, for the inner-like working thereof and the construction of a residence thereon, and shall be entitled exclusively to all the proceeds realized thereon, tour, but he shall have no surface rights therein, and the super-ntendent of mines may grant to the holders of adjacent claims such right or entry theireon as may be absolutely necessary tor the working of their claims, upon such terms as may, to him, seem reasonable.

seem reasonable.

24. Every hiner shall be entitled to the use of so much of the water instrailly down in through or past his shinn, and not already have high appropriate leaving the the second of the distribution and entry by any person when the same shall have remained unworked or working days by the grantee theteortor

the space of seventy-two hours, unless sickness or other reasolite cause be shown or unless the grantee is absent on leave. unless sickings or other reason

25. A claim granted under these regulations shall be continuously and in good faith worked, except as otherwise provided, by the granter thereof or by some person on his behalf.
27. In tunneling under hills, on the frontage of which angles occur or which may be of an olding or elliptical form, no party shall be allowed to tunnel from any of the said angles of troin from the main trustages as to interieve with parties function from the main trustage.

either end of such falls, so as to interfere with parties funneling from the main frontage.

28. Tunnels and shafts shall be considered as belonging to the claim for the use of which they are constructed, and as abandoned or forfeited by the abandonment or forfeiture of the claim steelt, 29. For the more convenient working of back claims on benches or slopes, the superintendent of mines may permit the owners thereof to drive a funnel through the claims fronting on any creek, ravine or water-course upon such terms as he may deem expedient.

### ADMINISTRATION.

30. In case of the death of any miner while entered as the holder of any mining claim, the provisions as to abandonment shall not apply either during his last filters or after his decease, at. The minister of the interior shall take possession of the mining property of deceased and may cause such mining property

mining property of necesseriann may emississing maning property states the source of t

32. The numster of the interior, or any person authorized by him, shall take charge of all the property of deceased numers until the issue of lefters of administration.

### RED ROCK TELLMES

BED ROCK TEL MES.

33. It shall be lawful for the minister of the interior, upon the application hereinsitter mentioned, to grant to any bod rock flume company, for any term not exceeding two years, exclusive numbers of constructing laying and maintaining bed rock flumes.

34. Three or more persons may constitute themselves into a bed-rock flume company, and every application by them to such grant shall state the names of the applicants and the nature and extent of the privileges sought to be acquired. For infladive notice thereof shall be given between the months of time and November, and between the months of time and planted in some conspicuous part of the grant of the acquired for the fact shall be given between the months of time and planted in some conspicuous part of the granted of to according to the fact of the fact of the distinct. From to such application, the ground inclined therein shall be marked out in the manner parts to show in subschause or of Causs 4, of these regulations. It shall be implicated for any persons to prefess before the agent within the included therein shall be marked out in the manner press bod in Subclause or of Clauss 4, of these regulations. It shall be competent for any person to profess before the agent within the times hereinbefore presseribed to the notice of such application. Hereinbefore presseribed in the notice of such application, the such as the property of the property of the property of 300, which shall be returned at the application be refused, but not otherwise.

33. Every such grant shall be in writing in the Form K, in the schedule hereto.

34. The belief of clause through which the line of the com-do. The belief of clause through which the line of the com-do. The belief of clause through which the line of the com-

36. The holders of claims through which the line of the central years where is to run may put in a best rock those in their claims to runnered with the company's fluinc, upon giving the company of the company of the purpose of the property of the property of the property of the like grade and build their thing as thereby divided of as strong materials as that built by such company.

37, Every bod rock fluince company shall lay at least birty feet of things during the first year and one limited best annually their extraction of the thing.

therestiter initi completion of the fluine.

38. Any majors havingly working any claims, where a bod rock

38. Any majors havingly working any claims, where a bod rock

ground states, income that the first sinces, bowhels so otherwise

10. The working of such fluine, tooks, stones, bowhels so otherwise

10. Then a grant being made to any bod rock fluine company,

the agent shall register the same and the company shall post or

10. The shall also pay, in advance,

11. The shall also pay, in advance,

12. The shall also pay, in advance,

13. The shall also pay, in advance,

14. The shall also pay, in advance,

15. The shall also pay, in advance,

16. The shall also pay, legally held by them

### DRAINAGE OF MINES

40. The manister of the interior may grant to any person or per (6) The minister of the interior may grant formly person expensions permission to tuns a drain of finned for draining synthesis through any occupied intung land, and may also such persons reclaim a grant of the grant person mining ground for any term not exceeding after years, for the purpose of constructing a drain of drains to the draining thereof.
(4) The grantee shall compensate the owners of kinds or holders of claims enterted upon by finn for any damage they may sustain by the construction of such time for draining and such compensation in find agreed upon, build by a titled by the superintend pensation if not agreed upon, shall be a titled by the superintend.

mines and be paid before such drain of funnel is con

not of mines and be pull before such drain or finite is constructed.

42. Such drain or funnel, when constructed, shall be deemed to tell the projecty of the person or persons by whom it shall have been so constructed.

43. Tvery application for a grant shall state the manes of the applicants, the nature and extent of the proposed drain or drains, the amount of tell of any to be charged, and the privilege the amount of tell of any to be charged and the privilege only for the drainage of the chain of the person constructing the same, be accompanied by a deposit of \$5\times\text{which shall be it randed in case the application is refused, but not otherwise. Notice of the application shall be given and projects may be made in the same manner as provided in regard to best fock flutness.

44. The grant of the right of way to construct drains and funciers shall be made in the Form L, in the schedule hereto. The grant shall be registered by the grantee in the office of the agent, to whom he shall at the time pay a registration terot 85, 0x, and if the grant gives power to collect folks, a fee of 810. An annual rent of 800 shall be paid, in advance, by the said grantee for each quarter of a mile of right of way legally held by him, save where the drain shall be for the purpose of draining only the claim of the person constructing the same.

### DUTCHES.

45. The minister of the interior may, upon application, herein-45. The immster of the interformay, upon application hereinater mentioned, grant to any person or persons, for any term not exceeding five years, or in special cases for such length of time as he may determine, the right to divert and use the water from any stream or lake at any particular part, thereor, and the right of way through and entry upon any manua ground, for the purpose of constructing diffiches and fluines to convey such water provided, always, that every such grant shall be decined as appuriously. provided, anylys, that every size grant shall be declined as appur-terant to the mining claim in respect of which it has been reported by the property of the sampling works, sampling works, stamp units, concentrating works, or other works connected with uning operations, and whenever the claim shall have been worked out or abundaned, or whenever the occasion to the use of such water upon the chain of in counce. from with such works shall have permanently coised, the grant shall cease and determine.

shall cease and determine.

(a. Twenty days' notice of the application shall be given, in accordance with Form M in the schedulic to these regulations, by advancince with Form M in the schedulic to these regulations, by advancince with Form M in the schedulic terms of the schedulic part of within any such twenty days, but not afterward, against such application being whoffly or partially grantled.

E. Every application tot a grant of water exceeding two hundred use is also be accompanied to a deposit of \$25, which

shall be retunded in case the application is refused, but not other

A very such application shall state the names of the appliis I very such application shall state the names of the applicants, the name of description of the streamer lake to be diverted, the quantity of water to be taken, the becauty for its distribution, the price it any to be charged for the use of such water, and the time necessary for the completion of the ditch. The grant shall be in the 1 of in X in the schedule for the ditch, The grant of water priviless one scholl, at the time of the price of the shall be discovered by the school of the stream above on below the ditch bead, and of any other stream above on below the ditch be ad, and of any other stream above in below the ditch be ad, and of any other stream above in show the ditch bead, and of any other stream above in show the ditch by all and of any other streams.

mitpuss whitsoever,

50. Harder the 2 rant has been made, any namer or immers
locate and bena bid work any in mag claim below the datch head,
on any stream so diverted, he or they collectively shall be ent fled to forty up has of water at two himbred inches be diverted,
and sayy meles () three handred inches be diverted, and no
more everyteepen paving to the owner of the datch, and all other
persons into tested the en, compensation equal to the amount of
damage sustained by the diversion of melestic quantity of
water as may be considered and in computing such damage, the
reasonable dessets shall be consoliered, therefore and all other
or the sustained of the consoliered of the water of the con
7. Viceston shall be consoliered.

loss sustained by any chains using which intercribes and all other regionable losses shall be considered.

3. No person shall be entitled by a grant of the water of any strain to the purpose of cellular the water to present of tubule chain-holders on any part of senior stream. The manufact of the most who associated by a stream of the contribution of the contribut

tishits to the safe (next per per 3). Although the water to such per sons and on such terms as he may deem obvisively a few the limits mentioned in this stant provided advance, the water to such per sons and on such terms as he may deem obvisively a few in the mass mentioned in this stant provided advance, that such covered small be beautiful supply all formers who always that such covered to may fair proportion, and shall not demand in one from one person than from another, ever per strict difficulty of supply semilarized and from a few decided and the supply of the su

party first in persession shall prevail or as been filled him becompensation at the same be used.

To, In increasing water by any direb or shape, the following rule shall be observed. He water taken into a order or since shall be measured at the different shape begal in exact shall be measured at the different shape begal in exact shall be taken into edited in shape except in a trough placed indired taken into edited in the shape at which the water enters it, and which the despite shall be extended by to the income fill be entered to the discharge of the water one under the varieties of the water one under the party that vides in the shape of the

days' notice, in writing, of such intention shall be given, before

onys motic, in writing, of such intention stant or given, nearer enforing or approaching within four feet of such other property. 55. Any person engaged in the construction of any road or work may, with the sanction of the inmister of the interior, cross, divert or otherwise intertere with any ditch, water privilege or other mining rights whatsoever, for such period as the minister

other mining rights whatsoever, for such period as the immiser shall approve;
29. The immister shall order what compensation for every such damage or interference shall be pall, and when, and to whom, and whether any and what works damaged or affected by such interference as atoresaid shall be replaced by flumes or other-wise repaired by the person or persons inflicting any such damage, 60. The owners of any ditch, water privilege or mining right shall, at their own expense, construct, secure and maintain all eitherts necessary for the passage of waste and superfutions water flowing through or over any such ditch, water privilege or right.

water nowing through or over any some one ways, price right.

61. The owners of any ditch or water privilege shall construct and secure the same in a proper and substantial manner, and maintain the same in good repair, to the satisfaction of the superintendent of mines, and so that no damage shall occur for any road or work in its yieunity from any part of the works of such ditch, water nearboung at tells. water privilege or right.

The owners of any ditch, water privilege or right shall be

62. The owners of any ditch, water privilege or right shall be hable, and shall make good, in such manner as the superintendent of mines shall determine, all damages which may be occasioned by or through any part of the works of such ditch, water privilege or right breaking or being imperfect.
63. Nothing herem contained shall be construed to limit the right of the heattenant-governor of the North-West Territories in council, or of the proper authority in any province containing dominion lands, to lay out, from time to time, public roads across, through, along of under any ditch, water privilege or mining right, without compensation.

### GENERAL PROVISIONS.

### INTERPRETATION

(3). In these regulations, the tallowing expressions shall have the tollowing meanines respectively, unless theoristic William to the tollowing meanines respectively, unless theoristic William (a) and the minister of the interfor. "Agent" or "local agent" shall mean the agent of dominion lands for the district, or other other cappointed by the government for the particular purpose referred to. "Wineral" shall include all unlearly whatsoever ofter than coal and petroloum, "Closs season" shall mean the period of the year during which places in the generally suspended, "Winera" shall mean a person unling is generally suspended, "Winera" shall mean a person diaglass during the time for which the grant of such mine or diaglass during the time for which the grant of such mine or diaglass, shall mean any nume over which a tree extends when in its hooded date. "Dry diagnass" shall mean any nume over which a tree extends when in its hooded date. "Dry diagnass" shall mean any nume over which a tree extends when in its hooded date. "Dry diagnass" shall mean any nume over which a tree extends when in its hooded date, "Dry diagnass" shall mean any nume over which a tree extends the interface of the continuous dates of such claims, to evcepted from 'dry diagnass' "Streams and tryme." shall mediade water-courses, whether shall be columned water to riot, and all rivets, ercels and guideles. "Ditch" shall be done in the conducting our conducting water by its way in weight, to be used for minima pur-"(19th)" shall linehule a finne or race, or other artificial means tor conducting water by its own weight, to be used for mining pur-poses, "Ditch head" shall mean the point in a natural water-course or lake where water is first taken into a ditch, "Rece-mining" shall mean the working of all terms of deposits, except-ing years of quarty or other took in place. "Quarty mining" shall mean the working of veins of quarty or other took in place, "Bosettom" shall mean the land entered by, or patented to, any person for the purpose of quarty mining.

### HEARING AND DECISION OF DISPLIES.

IFFURING AND DECISION OF DISECTIFS.

65. The superintendent of manes shall have power to hear and determine all disputes an regard to mining property arroing within his district, subject to appear by either of the parties to the commissioner of dominion lands.

6. No particular forms of procedure shall be necessary, but the matter complained of must be properly expressed in witting, and a copy of the complaint shall be served on the opposite party not less than seven days before the hearing of the said complaint.

6. The complaint is, where or the superinched of manes, be amended at any time before or during the proceedings.

6.5. The complaint shall, at the time of thing his complaint, deposit therewith a bond-tice of \$29, which shall be refurned to him it the complaint proves to have been well bounded, and or officiewise, except for special cause, by direction of the minister of the interior.

of the interior.

of the interior.

(3) In the event of the decision of the superintendent of nimes being made the subject of an appeal to the commissioner of dominion kinds, the appealant shall, at the time of boltzing the appeal, deposit with the agent a bond-tree of \$25, which shall be returned to the said appeal provise to have been well founded, and not otherwise, except for special cause, by direction of the number of the interior being a properly of the appeal mast be in within and must be locked with the existing and the superior number of the disposal to the existent properly of the properly of the properly of the existent properly of the properly of the

appealed from

appedict from missioner of dominion lands dordes that it is necessity to a proper decision of the matter in issue to have an investigation on the ground, or, in cases of disputed boundaries or measurements, to employ a surveyor to measurer or survey the land in question, the expense of the inspection or re-measure-neutry or resurvey, as the case may be, shall be borne by the

litigants, who shall pay into the hands of the said commissioner, in equal parts, such sum as he may think sufficient for the same, before it takes place; otherwise, it shall not proceed, and the party who refuses to pay such sum shall be adjudged in default. The said commissioner shall subsequently decide in what proportion the said expense should be borne by the parties respectively. Such as the same statement of the parties respectively.

and the surphisage, if any, shall then be returned to the parties, as he may order.

72. All bond-frees adjudged as forfeited and all payments retained under the last preceding section shall, as soon as decision has been rendered, and all entry and other tees or moneys shall, as soon as they have been received by him, be paid by the said agent or commissioner to the credit of the receiver-general in the same manner as other moneys received by him on account of dominion lands.

### LEAVE OF ABSENCE.

73. The agent in each district shall, under instructions from the minister of the interior, declare the close season in his district. 74. Each holder of a mining location or of a grant for placer mining shall be entitled to be absent from his mining location or diggings and to six pend work thereon during the close season. 75. The agent shall have power to grant leave of absence to the helder of a mining location or grant for placer unining pending the decision of any dispute in which he is concerned under these recents toos.

regulations.

76. In cases where water is necessary to the continuance of mining operations, and the supply of water is insufficient, the superincedent of mines shall have power to grant leave of absence to the holder of the grant during such insufficiency, but no lenger, except by permission of the minister of the interior.

77. Any namer or miners shall be entitled to leave of absence to one year from his or their diagrams, moon powing to the satisfaction of the superintendent of inhies that he or they has or have expended on such diagrams, and amount of not less than \$200 on each of such diagrams, without many content of the content of the

any return of gold or other limiterats. In reasonaire quantities, such expenditure,

78. The time reasonably occupied by the locator of a claim in going to and returning from the office of the agent or superin-tendent of immes to enter his claim, or for other purposes pre-serbed by these regulations, shall not be counted against him, but he shall, in such cases, be decided to be absent on leave.

### MISCELLANEOUS

79. The numster of the interior shall, from time to time, as he may think lift, declare the boundaries of numeral and mining districts, and shall cause a description of the same to be published in the Complete Cost II. in the Canada Gazette

in the Conduct Gazzel.

So. The manister of the interior may direct mineral and mining locations to be had out within such districts, wherever, from report of the director of the geological survey, or from other information, he has reason to behave theirs are mineral deposits of economic value, and may self the same to applicants therefor, who, in his spans in behave their are mineral deposits of economic value, and may self the same to applicants therefor, who, in his opinion, are able and intend in good faith to work the same, or he may from time to time, cause the schill be for easily and at prices in no case lower than those prescribed to location, and at prices in no case lower than those prescribed to location, sold to original discoverers, and shall otherwise be subject to all the provisions of these regulations.

St. The minister of the interior may grant to any person or the same, an additional location adjacent to and not exceeding it macro, provided the person or persons hobbing such location shall show to the satisfaction of the interior same such containing the story of the containing such location will robustly extend outside of either of the vertical lines forming the safe boundairies of the location before it has reached the depth at which it cannot be protubly named.

St. Persons desfroits of obtaining quarries for stone on vacant dominion lands may do so under these regulations; but the minister of the interior may require the payment of a royally not exceeding the per cert, on account of the safes of the product of such pairries, on the land may be sold not subject to such royally sole exceeding the per cert, on account of the safes of the product of such pairries, on the land may be sold not subject to such royally sole, the pairries when the interior is a nace by the safe and the interior of the interior, shall be made by the safe and the interior of the interior of the meterior shall have the power to such an account of the safe of the product of the safe of the product of the safe of the

### FORTFITLER.

st. In the event of the breach of these regulations, or any of them, by any person holding a grant for quark of placer mining from the crown other than crown patents, or from the minister of the interior, or from any duly authorized officer of dominion lands, such right or grant, shall be also ultely foreign upon the partial of the person so oftending shall be inequally therefore a quiring any such right or grant, unless for special cause it is otherwise decaded by the infiniter of the interior.

### SCHEDULE TO MINING REGULATIONS. FORM A. -APPLICATION AND AFFIDAVII OF DISCOVERER OF QUARTZ MINE.

(A. B.) of hereby apply, under A. D. in acress apply, more the dominion mining regulations, for a mining location in their give general description of locality for the purpose of mining for their name the metal or mineral and I for we have the mineral shands from the metal or mineral and I for we solemnly swear:

hereby solemnly swear:

1. That I row we) have discovered therein a deposit of their name the mobile mineral.

2. That I to we (am tor are), to the best of my (or our knowledge and behel, the first discoverer or discoverers of the said declaration. posit.

That I (or we) am (or are) unaware that the land is other

than Vacant dominion land, 4. That I for weidid, on the

day of the granul, an even of the missery particular with the production of Subschizes of of this et of the said minus predictions, the location tor which 1 on we make this application, and that in so doing 1 on we call not eneroach on any mining location previously laid out by any other person.

5. That the said minus location contains, as nearly as 1 or we

a. That the son uning location contains, as no are as to see could measure or estimate, an area of a cree, and that the description and sketch it any, of this date hereto attached, signed by ne on us, sets or set forth in detail, to the best of my or our knowledge and ability, its position, torm and dimen

sions

6. That 1, or we make this application in good faith to acquire the land tor the sole purpose of mining, to be prosecuted by my sell (or us or by my sell and associates or by my colour assigns Sworn before me at

day of 18ignature 1

. In case of abandoned ground it may be necessary to omit No. 2

### LORM B. RECEIPT FOR LEF PAID BY APPLICANT FOR MINING LOCATIO

## DEPARTMENT OF THE INTERIOR. DOMESTO LANDS OF DELLAR

Agency 18
Received from A.B., of 85, being the to required by Sub-section b of Clause 4 of the dominion mining regulations, accompanying his or their application, No dated 18 for mining location in assert general discreption of locality. This regions source is

debut). If the said  $\Lambda$  B or his or their legal represent alives or assume that would entitle form or their top produce within two orders that would entitle form or their top produces within two variables payment in full for the land, and also pay the same of so make payment in full for the land, and also pay the same of so their their transfer of the land, and also pay the same of some their the right top produces shall lapse, and the manual location then the right top produces shall lapse, and the manual location that the transfer of the interview of special of as may be directed by the minister of the interview.

# FORWAL RECEIPT FOR ANNI AT LET FOR RENEWAL OF FOCA

# DEPARTMENT OF THE INTERPOR DOMESTICAL AND OTHER

Reserved from A.B. of Schoung the re-perted by Subsection a Section to the domainon mining tegrilations, accompanying his or their application No dated S. respecting the mining location described as follows: miself describing in default or which he con they ob-

tained entry No.

uned entry No — on the — is From evidence turnished in support of the said application No it would appear that A. B. his or their local representatives of assigns, are entitled to continue in posses

is all representations assigns, are entitled to contain a solution seem of the six of normal section, and aimong the herm of year from the less to take therefrom and dispose of any year from the less to take therefrom and dispose of any year from the less to take therefrom and dispose of any minerial deposit contained within its boundaries, and, on die complaince at any time within that period with the several requirements in that behalf of the numing regulations, to purchase the said location, which proxisionally, and until survey theteor, the said location, which proxisionally, and until survey theteory. If the said location is not then begat to presentatives or assents, fail to comply, as altorisand, with the constitutions that would entitle him or them to purchase within year from this date or, having so compled, do not within that time make payment in till for the land, and also pay the sum of the survey of the norm from them the first line such regulations for the survey of the norm from healther the results of the content of the cont

Agent of Dominion Lands

FORM D. - CERTIFICATE IN CASES OF PARTNERSHIP THAT ANNIAL EXPENDITURE MAY FOR FIRST IWO VEARS AFTER RECORDING CLAIMS BE MADE ON ANALONE OF THE CLAIMS AFFFORD BY STOR PARTNERSHIP.

DEPARTMENT OF THE INTERIOR. DOMINION LANDS OF FILE.

Vocana 18

DOURSION LAYING DEFT.

This is to certify that in accordance with the provisions of Sub-chaise of, of clause 4 of the dominion mining regulations for the initial position of the dominion of the control of the initial certified as follows: (insert description in the day of the animal certified as follows: (insert description in detail) on the day of the control described as follows: (insert description in detail on the day of the control to be expended within the first and second year after said claims were located.

Agent of Dominion Lands

### LORDET BELCHIPT TO BE GIVEN FOR FITE PAID IN CASE OF PARTNERSHIP.

DEPARTMENT OF THE INTERIOR.
DOMESTON LANDS OFFICE.

Agency 18 of 85, being the fee

Recover from A B of S, being the technique of by subclause a of clause for the dominion maning regulations accompanying his activity and their application No dated B, respecting the imming bogatations accompanying his activity and their application No dated B, respecting the imming bogatation described as follows reserved description in default, for which he can they obtained entry No on the standard No on the standard No on the standard No of the subcompanies of the sound appear that would appear that the subcompanies of the soundard sound assetting according to continue in posos sound rule soundard sound and during the term of year from the B for two dates the soundard sound on the complained at any time within that period with the saved in the complained at any time within that period with the saved in the particular distriction of the saved in the period with the saved in the period with the saved in the processing the saved form of the processing the saved form of the processing the saved form of the processing that we did not be known and described a clawary with the conditions that we did not be him on them to purchase within that time make payment as is the comply, as intorested, with the conditions that we did not be him on them to purchase within that time make payment as is the total and also pay the same afternation, but the ten on shall to vet to the late of the processing the processing the form of shall to vet to the course, the doctors among local and the saved as may be altered by the number of the processing infining local from the date of the processing the processing them and the day of the prominion Lands

A sent of Domoroon Lands

DOBAL PARENCIO AMINISTES OF MICES
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Buta in and Testand Queen, Detender of the Lindia, to all to
whom these presents shell come factoring.
Know ye that Wedo by the copresents, for Use, our heirs and
successors is evous declaren of the Infallment of the dominion
mining regulations of Our down not of Canada (give and grant
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made of faind on which any permanent building, may have been exceeded a utilization composition in safron. Provided also that it shall be fawful for any person duly author. Provided also that it shall be fawful for any person duly authorized by U.S. Om heirs and successors, to take and unempty such water privileges and to have and unow such it, lit of early in water over, through or under any parts of the hereditations hereby granted as may be regionably required for agree fluid to other purposes in the Arcinity of the said land, upon pain, therefor a reasonable compensation to the interestal.

FORM 6. CERTIFICALL OF THE ASSESSMENT OF A MINING. TOWARDON

DEPARTMENT OF THE INTERIOR.
DOMESTON LANDS OFFICE A 20 HeV

Has is to centify that B.C. of have filed an assignment in due form, dated comparied by a registration record \$2 of the re-

(A. B.) of To purchase the mining location in three insert general description of locality) applied for by the said (A, B.) on the 18.
This certificate entitles the said

This certificate entitles the said (B.C.), or his our theory legal representatives or assigns, to all the rights and privileges of the said (A.B.) in respect of the claim assigned and hereinatret described, that is to say, to either into possession of the said mining location and during the term of said (A.B.) in the said mining location and during the term of said (A.B.) and the said mining beautiful that period with its boundaries, and on the compliance at any time within that period with the several requirements in that behalf of the dominion mining regulations, entitles hum or them to purchase the said location, which, proxisionally and until survey thereof, any he known and described as follows: (insert described). in detail.

If the said If the said (4.4%) or his ow their degal represents arties or assigns said to comply as afore-said with the conditions that would entitle him or them to purchase within Mear of the date of the receipt granted to (A. R.) and not deposited with me, or, having so complied, do not within that time make payment in full for the land and also pay the sum of \$30 prescribed in the said regulations for the survey of the location, then the right to purchase shall lapse and the minute obstance of the crown, to be otherwise disposed of, as may be directed by the minister of the interior.

Agent of Dominion Lands. or his (or their) legal represent

# FORM H. APPLICATION FOR GRANT FOR PLACER MINING AND AFFIDAVIT OF APPLICANT,

(A. B.) οť hereby apply under 1 (o) we), (A. B.) of merely apply union the dominion inling regulations, for a grant of a claim for placer mining as defined in the said regulations, in their describe locality)—and I (or we) salemily swear.

1. That I (o) we) have discovered therein a deposit of their claims.

bondity and Low wes solemnly Swear.

1. That I sow we have discovered therein a deposit of their mine the metal or mine (at).

2. That I now we may be a solemnia to the best of my or our knowless.

3. That the said claim was previously granted to the said deposit, or a first the said claim was previously granted to the said agrantee for not less than 4. That I now we am our area maware that the land is other than vacant domain in the large may be a solemnia that the land is other than vacant domain man area maware that the land is other than vacant domain land. I day of mark out on the 2. That I now we also like the previously said on the property of the proviously said on the said maning regulations, the claim for which I or we make this application, and that in so doing I (or we) and not energial on the provious land on thy any other person.

6. That the said claim contains, as nearly as 1 or we could measure or selfmine, and again again.

6. That the said claim contains, as nearly as 1 or we could measure or selfmine, and again again.

7. That I (or we) make this application in good lattle, to acquire the elaim for the sole purpose of mining, to be presented by myself our its, or by misself, and associates, or by my or our sessing.

assigns.

day of TORM I. GRANT FOR PLACER MINING. DEPARTMENT OF THE INTERIOR.
DOMENTON LANDS OFFICE.

Sworn before me at

the provisions of the dominion mining (regulations, Clauses 4 and polyation) (A, B, C, and) are of incompanied by the first place of the property of the property of the property discreption of breathy. The minister of the interior hereby grains to the small (A, B, C, and C, and

thereon and the construction of a resonence increon, and the ex-clusive right to all the proceeds realized therefrom the use of so-much of the water naturally flowing through or past his con-there claim, and not already lawfully appropriated, as shall be necessary for the due working thereof, and to drain his con-their claim, tree of charge.

This grant does not can use to the soil

cannet tree of charge.

This grant does not convey to the said  $(A,B_c)$  any surface rights in the said claim, or any right of owhership in the said cavered by the said claim, and the said cavered is the said cavered by the said claim, is continuously and an good taith worked by the said  $(A,B_c)$  of its (at their) associately  $(A,B_c)$  of its (at their) associates on their associated or  $(A,B_c)$  of its (at their) and  $(A,B_c)$  of  $(A,B_c)$ 

The rights hereby granted are those had down in the afore-sud maning regulations, and no more, and are subject to all the provisions of the said regulations, whether the same are ex-pressed herein or not.—Agent of bominion Lands,

FORM 3. CERTIFICAL OF THE ASSIGNMENT OF A PLACER MINING CLAIM

DEPARTMENT OF THE EXTERIOR. DOMESTON LANDS OFFICE. Agency

(B. C.) has on cos is to certify that (B, C) of have filed an assignment in due form dated decompanied by a transfer. accompanied by a registration fee of \$2,00 the grant to (A,B) and of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the standard of the right to nume in (mset) the right to (mset) the right to (mset) the right to nume in (mset) This certificate entitles the said (3, C), to all the rights and privileges of the said (4, B), ..., in respect of the claim assigned, that is to say, to the sexhisive right of entry upon the said claim for the miner-like working thereof and the construction of a residence thereon, and the exclusive right to all the proceeds realized therefrom, for the remaining portion of the year for which the said claim was granted to the said (A, E). (3) that is to say, until the entitled for the use of so much of the water naturally flowing through or post his corcheir) and to drain the claim, free of solutions to the date working thereof, and to drain the claim, free of whares. This certificate entitles the said (B. C.).

This grant does not convey to the said This grant does not convey to the said (B.C.) any surface rights in the said claim, or any right of ownership in the sail covered by the said claim; and the said grant shall lapse and be forfeited unless the claim is continuously, and in good faith, worked by the said (B.C.) or his tor their) associations.

The rights hereby granted are those laid down in the domini mining regulations, and no more, and are subject to all the pro-visions of the said regulations, whether the same are expressed herein or not. . Agent of bominion Lands.

FORM K. - GRANT TO A BED-ROCK FLUME COMPANY. DEPARTMENT OF THE INTERIOR,

the company,

amplified to a way through and entry upon any river, creek, guidel or ravine, worked by indirect for any period longer tekn two years, prior to such entry, and already wholly or partially abandoned, and the exclusive right to stake out and work both the inworked and abandoned portions thereof, one hundred feel in width and one-quarter of a mile in length for each individual of the company;
(e) The rights of entry through and entry upon all claims which.

of the company;

(c) The rights of entry through and entry upon all claims which, at the time of the notice of application, are in good faith being worked for the purpose of cutting a channel and laying their flume therein, with such reasonable space for constructing, maintaining, and repairing the flume as manaproprisard water of the stream on which they may be located, and of other adjacent streams, as may be increasing propriated water of the stream on which they may be located, and of other adjacent streams, as may be increasing to their operations, and he right of way, for ditches and thunes to convey the necessary water to their works, subject to the payment of any damage which may be done to other parties by running such ditch or.

Trovaled, that the rights benefit granted shall apply only to such claims and streams as are here specified. (insert hereighton of claims and streams) and such other claims and streams as may, after due notice and application, be subsequently added to the above list by the numster of the interior, under the land of the local agent.

Trovaled, further, that this grant is subject to all provisions of the dominon mining regulations in that betaff, whether the same are expressed herein or not.

This grant shall cease and determine at the expiration of year from the date hereot.

Agent of Dominion Lands.

. Agent of Dominion Lands.

FORM I., GRANT FOR DRAINAGE. DEPARTMENT OF THE INTERIOR

DOMESTON LANDS OFFICE.

DOBATO LANDS OF FIG.

Active 18
Active 28
Active 38
Active 48
Acti

drain or finnel for drainage purposes. Through the occupied mining lands here specified—there it see the mining brides and further, for a term of —from the date hereof, exclusive rights of was through and entry upon the following mining grounds—there is sert discreptions—for the purpose of constitueing a drain or drains for the drainage thereof, and the right to charge the following folls for the use thereof insert large of other services shall construct such a transfer that the grantee coor raintees shall construct with

drain or drains of sufficient size to meet all requirements within from the date hereof, and keep the same in thorough work-

from the date hereof, and keep the same in thorough working order and repair, and tree from all obstructions, and shall, within a reasonable time, construed proper tap-drains from onto any adjacent claims, upon being requested by the owners thereof, and in default thereof shall permit such parties to make

them themselves, in which case such parties shall only be chargeable with one-half the rates of dramage toll herein an-

Provided, also, that the said grantee or grantees shall compensate the owners of lands or holders of claims entered upon by most form on a finite shall be supported by may satisfully the construction of such funnel of drafti.

Provided, further, that the said grantee or grantees shall pay in the local agent, in advance, an animal rent of \$10 to real hourset of a mile of right of way legally health.

Provided, further, that this grant subject to all the provisions of the dominion numing regulations in that behalf, whether the same are expressed herein or not. thorized:

Provided, also, that the said grantee (or grantees) shall col-

FORM M. NOTICE OF APPLICATION TO USE AND DIVERS

Notice is hereby given, in pursuance of the provisions of the Notice is hereby given, in pursuance of the provisions of the dominion mining regulations, that I or were of a fixed expendition of twenty days in the date hereof, intend to apply to the minister of the fine provision of canada, for authority in the date hereof, and for the propriate of the provision of the propriate of the estream or lake, a known as propriate of the stream or lake, known as the determining the term of the provision of the safety of the provision of the provision of the safety of the provision of the provision

of entry, with the object of at a point stream of the term of years from the date at a point stream of the object of the stream of the stream

. 15 day of Dated the TORM N. GRANT OF RIGHT 40 DIVERS WATER AND GOASTRUCT DIGHTS.

DEPARTMENT OF THE INTERIOR. DOMESTO LANDS UNITED.

DOMINION LAXISOPPEL.

Agency

In consideration of the payment of a deposit of 82% required by Clause if of the dominion mining regulations, to be made with the application for the right to divert water and construct diffeles. The minister of the internal hereby grants to (A.B.)—for the fermion—years from the date hereof.

(A.B.)—for the fermion—grant from the date hereof.

(A. B.) for the term of Acads
the right to divert and use the water from

Av. By that the term of the first to the date between the light to divert and use the water from its superfustive or of lates to the extent of steady the superfustive of the superfusion to the superfusion of the super

# REGIAMIONS

TOR THE DISPOSAL OF COAL LAND, THE PROPERTY OF THE BOMENIA NO THE SOUTH SOUTH WAS LIBERTORIES AS THE PROPERTY OF THE PROPERTY ST PTE WIST B. 1889.

SECTION 31, (a) Lands containing anthracite coal may be sold at an upset price of \$90 per acry, cash, and coal other than an influence at an upset price of sto per acry, cash, or may be sold alto Nor more than three hundred and twenty acres shall so decide alto Nor more than three hundred and twenty acres shall be sold to one anothernt.

sold to one applicant.
S1, 35, When there is more than one applicant for the same

\$11.35. When there is more than one applicant for the same coal location, the minister of the interior may invite competition between the several applicants, or other the land for sale at public competition by tender or by anction, as the may thank experiment, at the upset price of coal lands.

\$11.36. In cases where the minister or the interior satisfactured in the companies or persons have expended considerable sums of money in explaining for coal or lands or which the sustained under the regulations of the 17th of December, 1831, the said lands may be sold to such companies or persons at the upset price twel for such lands.

\$11.37. The boundaries beneath the suitage of coal mining locations shall be the vertical planes or lines in which their sur

Section of the communities beneath the surface of coarminal locations shall be the vertical planes of lines in which their sur

time boundaries by

St. as. The rights of lessees, and of persons in favor of whom
orders in council authorizing leaves have been passed, shall not
be affected by those regulations
St. as. The uniformity leaves the metrior may, upon application,
grant permitting more free metrior period of sixty days,
and size transfer mission may cover any single tract of kind not exceeding three hundred and twenty acres in extent
St. n. It the land sought for be not included in any surveyor

township, the applicant shall stake out the same, by placing at speciang for corner thereof a stake or post at least four lineless subarrands standing not less that four bed above the surface of the same represented the range represented thereby, thus: "A. R. S. T. G. T

divisions of a section shall be given.

86. Al. The party or parties to whom permission to prospect may be given shall, within one month from the difte of such permission, commence operations and carry on the same continuously throughout the remainder of the permission content thereby, and shall expend in such prospecting a continuously althoughout the premainder of the permission of the rate of the state, and the permission so given shall become and the rate of the state, and the permission so given shall become void if the appearations cause for one week during the remainder of the period for which such permission is given.

So A. On anotherinous the handset of the interior the tomo-

period for which such permission is given.

See A2. On application to the uninester of the interior, the time-covered by permission to the properties by the extended, it the appli-cant has complete by the above requirements, and provided there are no extended by the physical properties of the ex-stance of the extended by the properties of the ex-stance of the extended by competition among the applicants. applicants

SET 45. If the time covered by permission to prospect be extended, it will be necessary that prospecting operations be carried on contamously from the date of such extension.

# TAMES PATEATIBLE OR INTERED, ON WHICH THE MINING RIGHTS HAVE ELEN RESERVED.

SEC 11 a Any person of persons destrous of obtaining per mission to prospect for undertof our failes that have been parented of entered, and on which the mining rights have been perserved, shall make applied in the coton to the minister of the interior shall prove the property of the property of the property of area, applied for, which area must not exceed three hundred and two physics.

are compared to a success of the sub-real series in colored to the appli-lation being granted, the applicant will be given permission to prospect for a period of sixty bays, apon turnshing the minister with growth that he has compiled with the provisions of the fol-

with proof that he has compiled ware the provisions of the of lowing sub-society.

If the applicant shall enter into a bond, with two scenarios, forthe satisfaction of the superintendent of mines, to recompense the owner of occupant or the soil for damages that may be done

to his lands (1). If the proprietor of lands so entered upon shall seek damages, he shall, before the end of two months after the expiration of the permission given, make his claims in writing against high prospector, detailing the particulars and amount of claim, and if the claim is not adjusted by arresiment between the particular within one month after noise thereof as aboresaid, it shall be settled by arbeitation in the manner present head in Sections 50 and 3 at those resultations.

siting one mount over the manner prescribed in Sections 20, and 31 of these regulations. Section 2 (New York) for the primiseson given to prospect shall be subject to the conditions of a further period of sixty days may be granted, proposed that the conditions of those regulations have enquionabled with but should there be other applicants for the hands over whose permission to prospect that be enabled among the same with a mixing and permission for prospect last been given, competition and building out the mixing and permission of the same with a mixing and the same with the mixing and the same with the mixing and the permission of the mixing and the same with the consequence of the mixing and proposed states on the mixing and the mixing appears and mixing the consequence of the mixing and applied for, and on the mixing the case may require.

encounstances under which the same is applied for, and on such terms as the case may require. Set [3] II, at the representation of the period for which permis-sion has been given to present our dands, if be desired to acquire the intume riper land is the remainder, they will be solid at the rate and on the terms pursuited by the minima regulations, less the prior rading for surface rights in the class in which the lands may be

Smareu

St. 48. Betore a patent of the mining (L.bits of any lands can be issued, it will be necessary for the party obtaining the same to minish proof to the minister of the interior flat be has some elike surface inglists of the lands from the owner of agent of necessary to the flat section of the party of the surface inglists of the lands from the owner of agent of necessary in the flat occurrence of the lands has not recovered a nation

occupier of such lands.

8(1) 19. If the occupier of the lands has not received a patient theritor, the panelase money of the surface ( glits must be pair lateful extractions) and to the crown, and a rend of the surface ( glits must be part who give the manna ( glits). The money seedle field will either a perfect of the formular ( glits). The money seedle field will either a patient therefore, or will be credited to him on according to the content of the field of the occupier of the land, when he is continuous terminal of the content of the

entitled by a potent therefore or was necessarial assumed to barment for law and of barment for law (\$1,5). When the party obtaining the manner (), has to lands cannot make an arrangement with the owner of his agent or the occupant the reof to fit the acquisition of the sature (rights) as shall be lawful for inne to give a principle to be owner or his agent or the occupant to appoint an arbitrate bear with another arbitrated named by thus, in order to award the amount of compensation to

which the owner or occupant shall be entitled. The notice men-tioned in this section shall be according to a form to be obtained upon application from the agent of domainon lands for the dis-trict in which the lands in question he, and shall, when practica-ble, be personally served out such owner or his agent if known occupant; and after reasonable efforts have been made to effect nersonal service without success, then such notices hall be served mersonal service without success. Then such notices hall be served ble, he personally served on such owner or ms agent it known, or occupant; and after reasonable chorts have been made to effect personal service without success, then such notices shall be served by leaving it at or sending by registered letter to the last place of abode of the owner, agent or occupant. Such notice shall be served it the owner or agent resides in the district in which the served is the owner or agent persides in the district in which the invariance, twenty days; and it out the theoret and within the invariance, twenty days; and it out the mixed in such notice. It not force the expiration of the time invaled in such notice. It in proprietor refuses or declines to appoint an arbitrator, or when, or any other reason, on arbitrator is appointed by the proprie-tor in the time limited therefor in the notice provided for by this section, the agent of dominion lands for the district in which the lands in question lie shall, on being—satisfied—by affidavit that such notice has come to the knowledge of such owner, agent or occupant, or that such owner, agent or occupant willfully evades the service of such notice or cannot be found, and that reasona-the efforts have been made to effect such service, and that the

notice was left at the last place of abode of such owner, agent or occupant, appoint an arbitrator on his behalf.

Sic, 3. (i) All the arbitrators appointed under the authority of these regulations shall be swarn before a justice of the peace that the swarp is a point of the swarp lefter a positive of the peace that the swarp is a point of the swarp of the peace of the peace they ship of the swarp of the swarp of the swarp of the swarp which the owners or occupant swarp are swarp in terests therein, shall sustain by reason of such pros-several interests therein, shall sustain by reason of swarp peace of the swarp of the

peerline operations.

(b) In sethmating such damages, the arbitrators shall determine the value of the land irrespectively of any enhancement thereof from the existence of mineral control of the land irrespectively of any enhancement (c) In case such arbitrators cannot agree, they must select a third arbitrator, and when the two arbitrators cannot agree unto a first a control of the select such that arbitrator, and when the two arbitrators and for the distriction (d). The award of any two such arbitrators made in writing shall be final, and shall be filled with the agent of dominion lands for the district in which the lands lie.

A. M. Burgess, Deputy of the Minister.

Department of the Interior, Ottawa.

# DIGEST OF

# CORPORATION, LIEN AND MINING LAWS

# PROVINCES OF THE DOMINION OF CANADA

WITH THE MINERAL ACT AND PLACER MINING ACT OF BRITISH COLUMBIA IN FULL

1-92

## COMPILED EXPRESSLY FOR THE MINING DIRECTORY

### BRITISH COLUMBIA

### CORPORATIONS

How FORMLIG. Any three or more persons, who may dose How FORM 16. Any three of more persons, who has described from a company may make, surfaid a skinwhedge, better some person competent to acknowledge deeds, a numerandium of assertation in adaptearle, in which shall be stated the per-position must be addition of the words "finited hadding," the object, the amount of capital stock, the number of shares, the time O at existence and to exceed fifty years, number of shares of which shall names of the company for the first three months and the shall names of the early lown or deterral district where the company mane of the early lown or deterral district where the company.

The registrar shall ble such memorandom and inclose dapheate The registrar shall life such memorandum and molose daph ach thereof to the provincial sectedary, who shall cause the same to be published in the next issue of the Reitish Columbration, Alta to at least one mouth thereafter. The registrar the us shall issue certificate of memoration, then upon the said persons and then successors shall be a body pointe and memorate and shall lay their corporate mane large succession for the person I in ted, and shall have power.

To issue states To sue and be sued

- To such and be sued.
   Io make and use a common seal.
   Io purchase, hoad, sell and convex such that and person disstate as the purposes of the composition repeat.
   Io appoint officers, agents and servants and define the detact.
   Io appoint officers, agents and servants and define the detact.
   Io appoint officers, genus and servants and define the detact.
   Io appoint officers, the seal of the control of two funds of the transact developed by a vole of two funds of the first seal and two funds of the company and regulate its affacts within the purposes of the company and regulate its affacts within the purposes of the configuration.
   In the fundsess of the configuration and so be termed directors.
   We shall have all the powers confirmed input the fundses by this are

who shall have all the powers confected upon me more consider.

As shareholder shall be individually table for the facilities of the company, but shall be hable to the calls and assessments to be legally levied upon the shares held by him.

A certificate of meorporation shall be conclusive evidence that the company is duly registered under this act. All comparison to the more than the company is duly registered under this act. All comparison to two money for the purpose of cartying on the objects of two money for the purpose of cartying on the objects of the companies and to mortgage their property, to sain lefts notes and confracts for money borrowed or to be borrowed for the described even of which is consent of the shareholders representing two duries of the capital stock.

with the consent of the shareholders representing two throts of the capital stock.

The strip is the corporate powers of the capparation shall be exercised by a board of not less than three trustees, who shall be stockholders and residents of this province, who shall be amounty stockholders and residents of this province, who shall be amounty to be residents at failure to clear the trustees and the designation time shall not dissolve the company, the trustee shall contain a motion until the new trustees are elected under the bylance a matority of the whole bond may transact business.

Stock VM Stock ROLDER is the stock of a company shall be deemed personal estate, transterable on the books of the conjunction to transfer shall be made where there are charges or assessments unpull. Stockholders votes may be given offlied assessments unpull. Stockholders votes may be given offlied shall be delivered to the secretary wonly done hours, before the hour named for calling the meeting. Each shareholder shall be found and be always and the company to the amount of the uniqual balance on his shares of shook. A company tood portated under this set may increase or diminish this capital stock to any amount deemed proper for the composition. Whenever it is desired to mercuse or diminish the amount of expiral stock to any amount deemed proper for the composition. Whenever it is desired to mercuse or diminish the amount of expiral shock is desired to mercuse or diminish the amount of expiral shock is desired to mercuse or diminish the amount of expiral shock is desired to mercuse or diminish the amount of expiral shock is desired to mercuse or diminish the amount of expiral shock is desired to mercuse or diminish the amount of expiral shock is desired to mercuse or diminish the amount of expiral shock is to any amount deemed proper for the corporation. Whenever it is desired to increase or diminish the amount of capital speck a

in eting of the steckholders may be calced by a notice signed by it cast a materity of the tristees and published at least once a week to from weeks in some newspaper of the electoral district where the principal place of bisiness is located. A certificate of the proceedings that be made only signed and vertical by the alledayt of the electrons and secretary of the necting and certificate of the alledayt of the electrons and secretary of the necting and certification of the alledayt of the electrons and field in the same manner as the memorardism of the trustees and field in the same manner as the memorardism of the trustees shall not deduce on each size of the electron of the electrons and the same handle when the company is insolvent. No such is triade the trustees and officers assenting thereto shall be useful with a severally ladde to the company and to third particles to the AC into Severally badde to the company and so that particles to the AC into Severally badde to the company and so that particles to the extent of scale loan. The trustees of the company whill be found as severally badde to the company and to third particles thereof to debts not eye dung three months' wages due.

ASSISSALVE 10 (1894) (1894) NEW SALU OSSIO ASSIONED TO SEOK Trustees)

ionally and sewerally into the blooms, seekants and appropries thereof to debts not ever shug three months' wages due.

Ass1 ssM181 [914180] (1834 N.M.) 8341 (o) 8460 K. Tuski ssM181 [914180] (a) 1840 K. M. 1841 (o) 8460 K. M. 1841 (o) 9460 K. M.

ordinary and preferential.

REGISTRATION OF LOWIDON COMPANIES. May fore an our pany members for the purpose of scartying on any bosiness that has for its object the acquisition of a manual permitted to operate in the province of Bulksh Colombia, may register to a faith the members the rest under the scart, we hope to be a function acquised in the province of Bulksh Colombia, may register to a faith the members the rest under the scart, we hope to be a function acquised in scart, estimated in a composition of the prescription of scart, estimated in the register of the colombia continuous descriptions of the register of a colombia colombia, the colombia continuous description of the copied scart of the colombia, the colombia colombia colombia, the colombia colombia colombia colombia, the colombia colombia. The colombia colombia.

This holds Patie for registering or a or get or and charter of accorporation articles of association and

certificate, \$50, for registering company's offices and name and address of its agent, \$10; for every miner's heerise, \$5 annually, \$1 (1) and \$1 (1) and \$1 (1) and \$1 (1) annually, \$2 (1) and \$3 (1) and \$4 (1) and \$4 (1) annually, and company is name, the attorney-general may, by order in coming, thange the name of the company. The company shall give at least three months' previous notice in the British Columbia Grazille, and in some newspaper published in the location of the company, of the intention to apply for the change of name.

### LHENS.

Lyrx of Mr at Avics. Unless there is an agreement in writing to the contrary, every mechanic, aritisan, architect, contractor, subcountractor, bulder, superintendent, timebeeper, mill-owner, merchant, aborer or other person doing work or furnishing material to be used in the construction or repairing of any building, creation of wharf, bridge or other works, or in connection with the clearing, everyating, filling, grading, draining or irrigating any land in respect to any railway, nume, swer, drain, difficultume or other works, or improving any street, road or sidewark adjacent thereto, at the request of the owner of such kind, shall by strine of other works, and the shall be completed by the contraction of the works and the land eccupied thereby, but finitely in amount as herematter mentioned. Such lieu shall be limited in amount to the sum actually owing the person entitled to the lieu. No contractor or sub-contractor shall receive anything under his heat until all the persons employed by thin or engaged to turnish materials for his contract or sub-contract have been poid in tall. LIENS OF MECRANICS. Unless there is an agreement in writpajd in tull.

paid in till.

(Fe.1811ATION) AND TRANSMISSION. Every lien, as afore-said, shall absolutely cease to exist after the expiration of thirty one days after the work has been completed or naterials irruished or after characteristic constant of the constant o

charged, which afidavit shall be 'hied as a lien against such property. In the event of the death of heu-holder, his lien shall pass to his personal representatives, and the right of lien may be assigned by any instrument in writing.

SECTAITY. During the continuance of any lien, no portion of the property affected thereby shall be removed, and any attempt at such removal may be restrained on application to the pulse of the county court nearest to which the land is stated if the claim is made; \$1,000. No contractor of such grade to say \$2,000. The county of the land is stated if the claim is made; \$1,000. No contractor of such and to say \$2,000. The land has been considered in the claim is made; \$1,000. The contractor of such and the claim is made in the claim to the contract of the countral polynomial property and the contract of the countral polynomial property in the contractor made between the such as a payond containing the manes of all workmen, laborers, bunder merchants and made rad-men doing work upon or supplying materials for such improvements, with the amount due therefor, and no payment by the owner to the contractor made between the supervision of thruty days after the completion of the improvements shall be valid for the purpose of delecting any lieu upon such property, unless such payment has

the contraints main before the explantion of the typ days after the completion of the unproceeding stable by valid to fife purpose of detesting any iten upon such property, unless such payment has been distributed among such workmen and materiatimen.

EXFORMANTAL Any number of hendrolders may be poined in one suit and all proceedings brought by a hendrolders had be taken to be brought in behalf of all hendrolders who may be made in the brought of the honory so realized shall be distributed and proceeding by order of a ludge upon explicit of stable by distributed by an affidavit. Where the amount of the claims is within the highlight of the country of the cou

such ben exists, in case the amount remains unpud for three months, have powet to self the same on gaing two weeks notice by advertisement in a new-spaper published in the district, and after such sale, such person shall apply the proceeds of such sale in payment of the amount due him and to the cost of advertising and sale, and shall pay over the surplus to the person emittled thereto. An other copy of the order of the contribution facilities when described with the certificate of the index off schedules him over described with the execution of the sheeting and so contribution of the sheeting shall be such as a superfection of all chalms and demands and acquirance protection of all chalms and demands. demands

### MINERAL ACT

1. Shourt Title. This act may be cited as the "Mineral Act, 1891."

1891."

2. INTERPRETATION.—In the construction of this act the following expressions shall have the following meanings respectively, unless meanistent with the context:

"Mine" shall mean any land in which any vein or lode, or rock in place, shall be mined for gold or other minerals, precious or

in place, shall be mined for gold or other minerals, precious or base, except coal.

"Rock in place's shall mean all rock in place bearing valuable deposits of gold, silver, cinuabar, lead, copper, iron or other minerals usually mined, except coal.

"Vent" or 'tode:" Whenever either of these terms is used in this act, "rock in place" shall be deemed to be included.

"Wheneral claim" shall mean the personal right of property or

interest in any mine,
"Mining property" shall include every mineral claim, ditch,

"Mining property" shall include every mineral claim, ditely, millistic or water-right used for mining purposes, and all other things belonging to a mine or used in the working thereof.

"Legal post" shall mean a stake standing not less than four an advance of the control of t

means for conducting water by its own weight, to be used for mining purposes all mean the point in a natural water-censes, or the production of the property of the production of the con-erce of the source where water is first taken into a dutin. "Free miner" shall mean a person or joint stock company or foreign company named in and havfully possessed of a valid ex-sting free miner's certificate, and no other. "Record," "register" and "registration" shall have the same meaning, and shall mean an entry in some official book kept for

meaning, and stan for an account that purpose.

"Full interest" shall mean any mineral claim of the full size, or one of several shares into which a mineral claim, shall be equally

divided.

divided.
"Cause" Shall melude any suit or action.
"Ludgment" Shall include "order" or "decree."
"Mineral" Shall include "order" or "decree."
"Mineral" Shall include all minerals, precious or base (other than earl), found in veins, lodes or rock in place, and whether such nimerals are found separately or in combination with each other.
"Real estate" shall mean any nimeral land held in tee simple milet this or any act relating fo gold nimes, or to minerals other milet this or any act relating fo gold nimes, or to minerals other than coal.

than coal, "Joint stock company" shall mean any company duly incorporated for mining purposes under the "Companies Act," "Companies Act, 1895," and any company duly incorporated in British Columbia for mining purposes under the "Companies Act, 1862" (imperial), and shall include all companies falling under the definition of a foreign company in the "Companies Act."

### FREE MINERS AND THEIR PRIVILEGES.

3. Of ALTEICATION. Every person over eighteen years of age. 3. Of MATICATION. Every person over eighnein years of age, and every nont-stock company, shall be entitled to all the rights and provideses of a tree immer, and shall be considered a free immer, and taking out a free immer's certificate. A free immer's certificate issued to a joint-stock company shall be issued in its corporate name. A tree immer's certificate isali not be trans-

terable.

4. DURATION OF CERTIFICATE. -A free miner's certificate may + 10 RATION OF CERTIFICATE. "After inliner's certificate may be granted for one or more years to run from the date thereof, or from the exparation of the applicant's then existing certificate, upon the payment therefor of the fees set out in the schedule of fees to this act. Only one person or one joints lock company shall be named therein.

5. FORM OF. A free numer's certificate shall be in the follow ing form.

BRITISH COLUMBIA. Free Mim'r's Certificate,

NOT TRANSFERABLE.

This is to certify that of pear only.

This is to certify that of has paid me this day the sim of gain is entitled to all the rights and privileges of a tree-muet for year from the Jaly of William of Gold Commissioner or Mining Recorder, as the

Date,

Support on verifform the day of Secondary of Community of Management of

ing certificate. 7, "8) IESTITI FEO CERTIFICATE." It any free numer's certificate be accidentally destroyed or lost, the owner thereof may, on

payment of the free set out in the schedule to this act have a traic copy of it, skined by the mining recorder, or other person by whom or out of whose office the original was issued. Every such copy shall be marked "substituted extribute" and miless some material irregularity be shown in respect thereof, every original or substituted free miner's certificate shall be evidence of all

or substituted tree miner's creating as sum to extonence of an matters therein containing.

8. PEAALTY FOR MINING WITHOUT CERTIFICATE, Every person and joint-stock company engaged in mining for minerals rother than coal shall take out a free miner's certificate, and wheever works a nime, funded, funded, funded, funded, without havwhoester works a more, time, a more, aran or area, without has ing such erflicate, shall, on competition thereof an asummary ke-torfert and pay a penalty indeveceding \$55, besides costs, provided, always, that pay a penalty indeveceding \$55, besides costs, provided, always, the properties of the provided by any person who, through not being a free namer, has rendered himself liable to the above penalty.

9. UNCERTIFICATED PERSON NOT ENTITLED TO INTERES MINESS, Property. No person or joint-stock company shall be recognized as having any right or interest in or to any numeral recognized as having any right of interest in or to any numerial chain, or any nimerast therein, for in or formy water right, inming ditch, drain, funnel or flume, indess he or it shall have a tree miner's certificate unexpired. And on the expiration of a free numer's certificate the owner thereof shall absolutely lortest all nimer's certificate the owner thereof shall absolutely fortest all is rights and interests in or to any mineral claim, and all and any minerals therein, and in or to any and every water tight, mining ditch, drain, funded or flume, which may be held or claimed by such owner of such expited tree inmers certificate, unless such owner shall, on or before the day rollowing the expiration of such certificate, obtain a new tree injurer's certificate provided, nevertheless, that a shareholder in a joint stock company need not be a free infinite, and though not a tree inner, shall be entitled to long, soft hold, or dispose of any shares therein and the owner of the contribution of the c been issued

IN WHERE VERRE MINER MAY PROSPECT AND MINE free minershall have the right to enter, locate, prospect and mine apon any waste lands of the crown for all nanetals other than coal free miner shall have the right to enter, locate, prospect and miner mean any waste lands at the errown to all minerials other than coal, and upon all knots the right whereout os or interupor, prospect and limited and the right whereout os or interupor, prospect and limited the right whereout os or the crown and its because, and also to center, locate, prospect and mine for gold and silver upon any lands the light whereout to see the random sente gold and silver upon any lands the length whereout to all the above description of lands any land occupied by any budding, and any land lating within the circulage of producing and minerally under curtastion, and any land lating the lenguage of the lating and the lating and also finding minerally under curtastion, and any land lating the lenguage of the lating and also finding minerally under curtastion, and any land lating the graphs of the lating and also finding and purposes other than placer mining, and also finding purposes when tree names previously to such curty should give adequate security to the satisfaction of the gold commissioner for provided, that after such curts in the conject sation to the occupiant or owner of such lands for any loss or damages which may be caused by tensor of valorienty, seek compensation, in case of dispute, to be determined by the court baying insidetion in mining disputes, with or whould a jux.

in case of dispute, to be determined by the court having juris declion in mining disputes, with or without a jury. At Right To U.1 Timiera. Any tree moner may enter upon any crown lands, or lands covered by timber leases, or any lands the timber wheteon has been reserved by the crown, to ent tim

ber for mining purposes.
12. RIGHT To KILL GAME

oer for mining pitposes.

13. Richi To Kit P GAM. Any free nuner shall be at liberty at any period of the year, while actually prospecting or engaged in mining, to kill game for his own use.

13. "Fit VER MINING ACT." Aftree moner shall have all the rights and privileges granted to tree moners by the "Placer Minings and privileges granted to tree miners by the "Placer Minings and privileges granted to tree miners by the "Placer Minings and privileges granted to tree miners by the "Placer Minings and privileges granted to tree miners by the "Placer Minings and privileges granted to tree miners by the "Placer Minings and privileges granted to tree miners by the "Placer Minings" and privileges granted to the privileges granted gran

### MINERAL CLAIMS AND MINES

LOCATING, RECORDING, WORKING, AND CROWN GRANTS.

1.6 FURST MANTES CLAIM. Any FIGURES (GAMES), AND GROWN GRAVES.

14. FURST MANTES CLAIM. Any Free injure destring to locate a numeral claim shall, subject to the provisions of this act with respect to faint which may be used for mining, enter upon the same and locate a plot of ground, where possible, litteen limited beet long by six hundred beet long and, where possible, in rectangular form provided, however, that the end lines of exercise mineral claim, at shall be measured hermouthly, irrespective of inequal its world be surface of the ground.

ties on the surface of the ground — 5. How STOKE O II.—A tunneral chain shall be marked by three legal posts placed, as near as possible, at equal distances tome each other along the center line. The posts shall be numbered (2.23). The center post shall always be numbered (2.33) and the content of the required distance, without reference, as to direction, to the required distance, without reference, as to direction, to post 4, but, as to distance, such line shall not exceed the distance in a straight line between posts (4 and 3, and shall not exceed in them in the content of the conte and the arrection of the centre are, with the date of the holice, and name of the claimant of the ground. When a claim is located in a finishered country, where any one past cannot be seen from the next post, the locator shall blace a line connecting all the posts. It shall be unlikeful for remove or claimse the stustion of any past unless the claims whall have been previously aliandomed any past unless the claims whall have been previously aliandomed.

 $16,\ \mathrm{Location}$  Mag on Suxiva. Any location made upon Suiday or any public holiday shall not for that reason be invalid, any law or statute to the contrary notwithstanding

17. WHERE STAKING OUT CANNOT BE PROPERIA DONE. In cases where, from the nature or shape of the ground, it is mussible to mark the center-line of the claim, as provided by this act, then the claim may be marked by placing posts as nearly as possible to the center-line, and noting the distance and direction such posts may be from such center-line, which distance and secondary of the center-line which distance and secondary of the center-line of the

direction shall be set out in the record of the claim.

18. Photon Yor Low AVION IN DISPLIES. In case of any dispute as to the location of a mineral chain the fifte to the claim shall be recognized according to the priority of such location, subject to any question as to the wall-thy of the record with all the subject form, there is no the property of the property

subject further to the tree music having complied with all the terms and conditions of this act.

19. It) outs or CLAM. Every tree uniner locating a numeral claim shall record the same with the numing recorder of the dis-trict within which the same is situate, within litteen days after the location thereof, it located within ten inters of the office of said mining recorder. One additional day shall be allowed for said mining recorder, the additional days shall be allowed for said mining recorder, the additional days shall be allowed for said mining recorder, and the said for the purpose in the office of the said mining recorder, in which shall be an extend the name of the claim, the name of each locative, the num-ber of each locator's tree maner's certificate, the locatily of the nume, the direction of the center-line, the locating in beet, the date of the condition of the center-line, the locating in beet, the day miner shall not be centrified to a record of a mineral claim until shall have furnished the said mining recorder with all the above particulars.

particulars.

MINING RECORDER'S OFFICE Upon the establishment

23 MANAS. Reconducts 0.14c. Upon the establishment of a mining daysion and the opening of a mining recorder's office therein, under the authority of this act such office and more other shall be the proper office for recording all mineral claims within shall be the proper office for recording all mineral claims within shall mining division, and making all records in respect thereal 22. Recording of this within SWRON, DISTRIPT. If through a normal camp the annet shall record a mineral claim in additional district of mining division to that in which such claim is strate, such error shall not affect his title to such claim, but he shall, within titlend days from the discovery of his error, record shall within their days from the discovery of his error, record shall seal in the district of mining division in which it is small, and a claim is the district of mining division in which it is strate, and claim is the district of mining division in which it is small, and a claim is claim to the shall be made the record of the error and of the date of the received and of the state of the received and a claim of the same.

such new record shall bear the date of the first record, and a node shall be made the renot of the error and of the date of the date of the struct.

3. VPT 10 MTON VER 11 ORD 14 ES OLD 15 ES MIS VES NOT IT A 1500 miner applies at the maning recorder's office during his structure of the structur

28. Wyo HINERY ON ARANDON FIGURARM. When a free miner abandons a mineral claim, he shall have the right to take from the audinous a nunctua caum ne suar have the fight to take from the same any machinety and any personal property which he mac-have placed on the claim, and any ore which he may have ex-tracted theretrom within such time as shall be fixed by the 2 orl commissioner or mining recorder.

commissioner of mining recorder 29. R. Lov VITON of ABANDONER CLIVIAS. No free miner shall be entitled to be locate any mineral claim, or any portion thereot, which is shall have altandoned or toteried, miss he shall have obtained the written permission of the gold commis-sioner to make such relicention, and he shall hold no interest in any portion of such inmetal claim, by location, without such per

mission

Inission 30. To ATING MORE THAN ONE OF VIMON FITE SAME LODGE. Should any free inner locate and record more than one fining a claim on the same even or lode, all such locations and records a very cepting the location and record of his first claim on such we not lode, shall be void, unless such trist claim shall have been a can done of our location.

all Alfon X101 LODE CONTAINID IN A CLAUM. The again holder of a mineral claim shall have the exclusive right and pessession of all the surface methoded with in the lines of his location

and or all yours or lodes, throughout their entire depth, the top or apec of which his his deed such surface-times extended down and vertically, although such cents or lodes may so far depart from a perpendicular in their course downward as to extend outside the vertical such lines of such surface-to-entire) but his right of possession to such outside parts of such veins or lodes shall be confined to such potentials are such outside parts of such veins or lodes shall be confined to such portions the scribboth, through the end-lines of this location so centimized in their own direction that such planes will interest such exertion parts of such veins or lodes; and nothing in this section shall authorize the locator or possessor of a vein or lode which extends in its downward course beyond the vertical lines of its claim to enter upon the surface of a claim wind of possessed by another; provided, always, that a prior location on the cities of a vein or lode which extends in its downward course beyond the vertical lines of its claim to enter upon the surface of a claim to enter the course of the control of the control of the course of the control of the control of the course of the course of the course beyond the vertical lines of the course of t

of note.

33. INTEREST IN CLAIM A CHATTELINTEREST. The interest of a tree inher in his inhieral chain shall, save as to chains held as real estate, he decimed to be a chattel interest, equivation to lease, for one year and thence from year to year sankinget to the performance and observance of all the terms and conditions of

the set?

35. If RCHANK OF MINICIAL CLAIM. Any having holder of a mineral claim shall be entitled to a crown grant thereof on payment to the government of British Columbia of the sum of given ment to the government of British Columbia of the sum of given reare in hen of expenditure on the claim. The intending purchaser shall cause a notice of his intention to purchase the inserted in the British Columbia Giveth, and in one newspaper creatating in the district in which the claim is strata, for sixty days prior to the issuance of the crown grant.

36. Critificative of Augusta Wigness. Whenever the laxiful holder of a numeral claim shall have compiled with the toflowing requirements, he shall be entitled to receive from the gold commissioner a certificate of improvements in respect of such claim is developing a nume to the value of \$500, exclusive of all houses, buildings and other like improvements.

buildings and other like improvements.

(b,) Found a year or lode within the limits of such claim

the Found a vent or loife within the limits of such claim, etc. Had threelain surveyed by an authorized provincial land surveyor, who shall have made three plats of the claim, and placed one such plat on the No. 2 or center-post of the claim, or on a post as near thereto as possible, and who shall have neutrated calmed the boundaries of such claim by placing monuments or legal posts at the angles or corners of such claim, and who shall have also examined the work done on the inner itself or the development thereof, and made an affidiate string out fully the particulars of such work, exclusive of houses, buildings and of such work, and that a vein or lode has been found to exist on the claim.

on the claim. on the claim.

a), shall have posted on the same post as the said piat, and also on the outside of the office of the imming recorder, a legible notice in writing of his intention to apply to a certificate of improvements, and such notice shall contains. 1. The name of the claim, 2. The name of the lawful holder thereof, 3. The number of such holder's existing free miner's certificate, 4. His intention to apply for certificate of improvements at the end of sayly days, for the purpose of obtaining a crown grant, 5. The date of the

Inserted a copy of such notice in the British Columbia

(c) fusetted a copy of such notice in the Bettish Columbia Gravite, and more newspaper circulating in the district in which the claim is situate, for at least sixty days prior to such appli-cation, which insertions can be made at any time after the posting of the notice on the claim. (c) Floid with the mining recorder. I. Alfidavit of the holder of the claim, or his agent, in Form II in the schedule of this act; 2. Alfidavit of the said surveyor in Form G in schedule of this act; 3. Two copies of the plat of such claim; 4. The surveyor's original field-indes.

37. CERTIFICATE NOT GRANTED WHEN CLAIM IS IN LITIGATION.—Provided, nevertheless, that no certificate of improvements shall be granted in respect of a mineral claim the title to which is in litigation, and a certificate of improvements granted in respect

Shall be granted in pespect of a uniferit claim the time to which is illigation, and a certificate of improvements granted in respect. 38, EFFRCT OF CERTIFICATE OF IMPROVEMENTS. After the issuing and recording of such certificate of improvements, and while such certificate shall be in tores, the claim shall not be deemed abundoned or forteitled on account of the holder thereof tailing to take out a free miner's certificate, and it shall not be necessary to do any work thereon.

SWERT TO CHOWN GRANT. On the granting and recording of such certificate of improvements in respect of a numeral claim situate outside of the railway belt, the holder thereof shall be entitled to a crown grant of such exting with the payment of the \$25 per acre required by Section 35. And on the granting and recording of such certificate of improvements in traspect of a section of such certificate of improvements in the special of the \$25 per acre required by Section 35. And on the granting and of \$150 to the mining recording. Of such certificate of improvements in respect of a \$150 to the mining recorder.

40. APPLICATION FOR CROWN GRANT. The holder of a mineral claim to which a gertificate of improvements has been granted cann tor which a gertificate of improvements has been granted cann tor which a gertificate of improvements has been granted

40. APPLICATION FOR CROWN GEANT. The holder of a mineral claim for which a certificate of improvements has been granted and recorded shall make application for a crown grain to the uning recorder, in Form J of the schedule to this act, within three months from the date of such certificate of improvements, and in default of such application having been made within such time; such certificate of improvements shall lapse and become absolutely void.

absonded void.

41. TRANSFER OF CLAIM AFTER APPLICATION FOR CERTIFI-CATE. If the holder of a mineral claim, after applying for a certificate of improvements, shall sell and transfer such claim to another free miner, upon satisfactory proof of such sale and transfer being made to the gold cogmissioner the new holder of transfer being made to the gold commissioner the new holder of the claim shall be entitled to a certificate of improvements in his own name. And if a sale and transfer shall be made to any person or company after a certificate of improvements shall have been issued, upon proper proof of such sale and transfer being made to the satisfaction of the claim commissioner of kinds and works the crown grant shall issue to the new holder of the claim, 22, thous Graver Dors Nor INVALIDATE VALUE, The Sale and the claim grant shall included actually the which may have attached to any mid-hall not invalidate any flem which may have attached to any mid-hall not invalidate any flem the

such crown grant.

such errown grant.

AWALLA TABLES BY CROWN GRANT ON WASTE LANDS: A
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HARD TABLES ADDRESS REPORTED TO MAKE TO MAKE THE ARROWS A
HARD TABLES ADDRESS ADDRESS REPORTED TO MAKE THE ARROWS A
HARD TABLES ADDRESS A said grown grant mentioned, including the rights set forth in Section 31 of this act

Section 3 of this act.

44. WHAY PASSES BY CROWN GRANT WHEN ALL MINERALS
(SAVECOAL) HAVE BEEN RESPECTED. Crown grants of mineral
claims located on lawfully occupied lands the right whereon to
enter, prospect and mine all minerals (other than coal) has been
reserved to the crown and its licensess shall pass to the grantee all
minerals, precious or base, other than coal, found in vents or locks,
or took in place, and whether such minerals are found separately,
or
in combination with each other, which may be in, upon or under
the land in the said crown grant mentioned, and incinding all disrights given to mineral claim holders of mineral claims so located
in Section 3 of this sact, but such event grant shall expressly or

rights siven to mineral claim holders of mineral claims so, hearded in Section 3 of this acd, but such crown grant shall expressly reserve the rights of such prior occupant.

(Where the mineral claim is located on land lawfully occupied under a timber lease, the crown grant shall convey the surface and minerals, precious and base (save coal), found in veins, or lodes, or rock in place, but shall reserve the timber.)

4. WHAY PASSES BY GIONN GRAYN WHERE GOLD AND SILVER HAVE BEEN RESERVED. Crown grants of mineral claims located on lawfully occupied lands, the right whereon to cause the control of the

iocated in Section 31 of this act; but such crown grants shall expressly reserve the rights of such prior occupant.

46. How ADVERSE CLAIMANI PROSE CIFES HIS CLAIMANIOUTHER by CHAIMANI PROSE CIFES HIS CLAIMANIOUTHER by COMMENTARY of the grant part thereof, such claimant shall, at some time prior to the granting and recording of the certificate of improvements, commenced to the company of the control of the granting and recording the matters in dispute, and he shall procedule the same with reasonable diligence to final independant, and a failure to do so shall be a waiver of his adverse claim. And such claimaning recorder of such adverse claim before the granting and recording of such extraction of the procedule of the title to such claim event on the granting of respect to the title to such claim event on the granting of proceedings brought, the applicant for the certificate of improvements have apply to the pulge of the court in which such proceduling for another regarding the adverse claim and proceduling brought (the applicant for the certificate of improvements may apply to the pulge of the court in which such proceduling for another regarding the adverse claims of think fit, a plat made by an authorized provincial land surveyor of any disputed ground, which particulars and plat shall be the within such time as aforesaid, such adverse claim shall lapse, and judgment in such proceedings withouts shall be entered for the applicant for the certificate of improvements, provided, always, that

at shall be competent for such judge, by order, to extend the time for the films of such particulars and plat, upon cause being shown. And any order for particulars or for extension of time made under this section may be made exparte.

48. ADVERSE CLAIM of the such as a proper of the form of the ground for which as section of the ground for which as the such as a pulse, the boundaries of such as the proper of the such as a policy of t

my recorder.

ing recorder.

50. Recordes of Doct MENISOI TITLE. Every conveyance, bill of sale, mortgage or other document of title relating to any numeral claim, mine held as real estate, or mining interest, shall be recorded within the time prescribed for recording mine rad sladed provided, always, that the first between the parties thereto. Shall be meaning as 1 clind parties shall take effect from the date of record, and not from the date of seed document.

51. A VALIDTRANSFER OF MENERAL OF VAL. Not take red ended in the date of record, and not from the date of seed document, and the ended endess the same shall be in writing signed by the transferrer of by the gent authorized in writing as given by the transferrer of by the candidate be a superference of the precord of such transfer of any factor of the provided provided the provided provided and seed the superference of the provided provided provided and seed the content of the provided provided provided provided provided provided provided provided particles and the state of the provided p 50. RECORDS OF DOCUMENTS OF THEFT.

1990 in Syrrows.

Tecorder.

33. By VIII of Fals MINER. In case of the death of any free miner, his mineral cann shall not be open to location by any other person, either during his last illness or for the period of twelve

person, either during his months after his decease. 54. FALLIS OF GOVERS monus after its occesses.

5. FALLIS OF GOVERNMENT OFFICEALS. Notice infiner shall suffer from any acts of omission, or commission, or delays on the part of any government official, it such can be proven.

### MILL-SILES.

55. Localities OF.—Aftree miner may locate any anoccupied and improved crown land not known to contain introduction and not certain five arts, as a multisute. No tree miner shall hold at any one time more than one indistic obtained by him under this sec-tion.—Such mult site shall be as nearly as possible in the torn of square. On locating a multisate, the tree namer shall comply with

square. On borating a millsafe, the free former siliar comparison, the following requirements of the square former siliar control of the Post a notice on each post, stating [1]. The name of such free numer, 2. The number of his free indirect scentification of sixth days from the date of the free, to apply for the land as a mill site. (4) the date of the notice, to apply for the land as a mill site. (4) the date of the notice of the other of the notice of the number of the other of the number of the other of the other of the number of the number of the other of the number of the n

- (c). Post a copy of such notice on the other of the minute 1 corder.

  56. Recourse MAN GRANT LANA GRANT ANA ANA On the exparation of sardy days after the infullment of the above requirements the tree minute products, and prove by affidavit that he has complied with the above requirements, and that the said kinds not known to contain numerals, and shall furnish such other proof the non-inneral character of the land as the cold commissioned may require, the tree miners shall then be intitled to a besse, for one year, of the said land, which learn than the said kind control the said and is the cold commissioned may require. The tree miners shall then be intitled to a besse, for the year of the said mind, which learn nature of such classes, such that he has part of constructed works, or machine vitor mining of milling purposes, on the said mill-site, of the value of at least Soo, be shall be entitled to a crown grain of such mill-site upon payment of \$5 per acre for such hand. Any tree miner now having a mill site of machinery for mining of infline purposes, on the value of at least \$600, and is the health of a payment of \$5 per acre to the value of infline purposes, on the said until site of the value of at least \$600, and in payment of \$5 per acre, be entitled to a crown grain of such mill-site.

  57 Aperta Atrice Vica, On applying for acreeous grain of a mill-site in the tree miner shall.

she the tree named shall be a comparison of the manner freed of the shall be the tree to the manner freed of the places of the mining proceeded the following documents on Lears of the mining proceeder the following documents on Lears of the ministre, the Hard of the mild site e.e. Survivor's original field-indees, oil. A veertheafte from the gold commissioner that works or machinery for mining or milliang purposes have been put or constructed on the millisate to the value of all feast size, or Application for the crown grant, of Addiady that the applicant holds no other millisate obtained by him under this sect.

S. With a Passes of it is now a fine the surface of the hand in other millisate of the millisate of the hand in other processly reserve all numerals under the said land, and the right to the crown and its hecusees to enter and nume the said numerals.

## TUNNELS AND DRAINS

58, LICENSE TO RES. Any free miner, being the holder of a numeral claim or nime held as real estate, may, at the discretion

of the gold commissioner, obtain a becase to funcidram or timnel, for dramage or any other purpose connected with the development of working of such claim or name, through any occupied or moccupied lands, whether nameral or otherwise, upon security leans first deposted or given to such gold continusioner to his satisfaction for any damage that may be done thereby, and upon such other terms as he shall think expedient.

60. GRASA OF WATER HIGHATTS. A free namer who is the holder of a maneral claim or name held as real estate, or of any milliser to any undergraph to a water-right as any unappropriated water, for any uninner or milling purpose, for any term not exceeding twenty years, upon such terms and conditions as since gold commissioner, shall think fit. of the gold commissioner, obtain a beense to run a drain or tunnel.

III.

431. WITAL MEST BY DOSE BELOUR APPLATING FOR AGRINE.
Before applying for any such grant, the tree namers shall:

(1. 1963) in other in writing on a begal post upon some consportions part of the ground on which such water is intended to be used and a copy of such notice on the other of the mining recorder for at least sixty days, which notice shall contain the following particulars:

(a). The name of each applicant, (b): The number of each applicant's free numer's certificate, (c): The numer of, if numanest, a stifficent description of the stream, lake (c): The print of disk, which is the proposed of the contained of the c

 $\mathbb{Z}$ : If more than three hundred inches are applied for a deposit shall be made with the gold commissioner of  $S\mathcal{L}$ , to be retunded it the grant is not made.

posts small be made, with the gold commissioner of \$25, to be resimbled it the grant is not made.

(2) Record of Gennyl. The grant of such water right shall be recorded in the other of the mining recorder within the time limited for the recording of mining recorder within the time limited for the recording of mining and claims, which time can be extended by the gold commissioner in its discretion.

(3) No grant shall lake effect until it is a discretion, and the grant shall lake effect until it is discretion.

(4) No grant shall lake effect until it is discretion, and it is a discretion of the grant, and not from the shall properly of right.

(5) Dayli of the grant, and not from the slade of the treerd.

(6) RIGHTS of MINTIS WORKENS ON THE SIRI W. LACH such grant shall be subjected to the rights of such tree miners as shall, at the date of such grant, be working on the stream above below the dided head, and of any other presents shall have such water for any purpose to the mineral claim, name ledd as real estate, or mild site in respect of which if has been obtained, and whenever the occasion for the site of the water upon the claim, made or mild site shall have been worked out or about the claim, made or mild site shall have been worked out or about the claim, made or mild site shall have been worked out or about the claim, made or mild site shall have been worked out or about the claim, such grant shall be at mental and determine the propose of the water upon the claim, which is not be proposed of which the control of which the control of the water upon the claim, such grant of water to be purpose or sedling such water, or at some the same otherwise than bett the purpose to which the second of the water upon the claim. Such water to the purpose of which we have the purpose of which the control of the second of the second of the water upon the claim.

while wise regarded as A. Committee the S. O. Marks. Within S.A. LOMANS I MENTOL CONSTRUCTION of Works. Within S.A. Hombles after the grant is made, the grantee shall commence the construction of the dided or other works through which he intends to convex the water, and shall prosecute the same different and uninterruptedly to completion, indees interrapted by the severity of the weather provided, always, that the gold commissioner may, it has discretion, allow such work to craw to any C.H. Committee in the second control of the second control

non-regime.

76. W(1)(1):1. West) of W(1)(1): I very such grantee shall lake all torsonable means for utilizing the water granted to him, and it be wilfurfly waste any water, or lake a quantity of water excess of his requirements, the gold commissioner may declare his

covers, of his requirements, the gold commissioner may declare his grant to be noteded.

7.1 Fower if To farmer STRI WILLIA. Any person destruct to header may stream, clear or other place, for any purpose, or to mine under or through any dirth or flune, or to carry. State written sanction of the gold commission, whether of the array state written sanction of the gold commission, whicher of the mine or of the warderstella, is to present some of the warderstella, is to present so as to entitle him to competition in the same be just 7.2 In (18.3 for MASSIMATINI OF WALLE. In measuring when nany differor shares, the following unless shall be arbitrary different states of the warderstellar of the many differor shares which have shall be measured at the different state, one ment of water shall be increased at the different state, one ment of water shall be increased at the water times at, one ment of water shall men that the quantitation will post through an orthog two melos high two one may depend on the orthog.

7a. Notree Lea B. Geryla, or Appendix 10.85, MASSIMATINI, MAS

of the orther

7a, Notrey To Br GIVEN ON APPROVIEWS, ANY DITCH
Whenever it shall be intended, in forming or upholding any differ,
to inter upon and occupy any part of a registered chain, or in the
held is real ostate, or to dig or foosen any width or present inheld its real ostate, or to dig or foosen any waith or present
the form of the property, whose any winting of such
tendous Shall be given before entering or approaching within
them, the form of the property.

7d Broth To Divert VIII (I) Any person her rotoric or
hereafty engaged in the construction of any read of work hax,
with the sanction of the gold commissioner, grays day if or other
wise metricle with any dark, which take or such expected in recen-

whatsoever, for such period as the said commissioner shall direct

75. OWNER TO PROVIDE FOR WASTE WATER.—The owner of any diffeh, finine or pipe shall, at his own expense, construct, se-cure and maintain all culverts necessary for the passage of waste and superfluous water flowing (through or over any such diffeh, flume or pipe.

76. Owner To Keep Dilon in Repair. -The owner of any

do OWNER TO KEFFE DITCH IN REPAIR. The owner of any ditch fune or pipe shall construct and secure the same in a proper and substantial manner, and maintain the same in good repair to the satisfaction of the gold commissioner, so that no dam-age shall occur to any road or work in its vienity, from any part

age shall occur to any road or work in its vicinity, from any part of the works of such dieth, filme or pipe.

77. Ow NER LLYLLE FOR DYM VOES. The owner of any dieli, thune or pipe shall be hable and shall make good, in such manner as the gold commissioner shall determine, all damages which may

as the gold commissioner shall determine, all damages which may be occasioned by or through any parts of the works of such ditell, thinne or pipe breaking of being imperfect.

78. WIAY COSSITH INS SEPTICEEN YOUTEF. If any written notice to the party intended to be affected thereby be posted for lend days on some conspicuous part of any premises referred to make notice, and also in the other of the mining recorder, such notice shall be deemed good and sufficient.

73. RESERVALOF FROM FOR WATER CHAPTER WHEN THE TELL PROPERTY OF THE STATE OF THE STA tinnes fo exist

numes to exist.

so, CHIFF COMMISSIONER MAY LAY LAY OUT ROADS. ETC.
Nothing herein contained shall be construed to limit the right
of the chief commissioner of lands and works to lay out, from
time to time, the public roads of the province, across, through,
along or under any ditch, water-right or mining right in any
crown land, without compensation, provided that as little damage
as possible shall be done in so doing.

### MINING PARTNERSHIP.

8). Applie viron. All mining partnerships shall be governed by the provisions hereof, unless they shall have other and written articles of partnership.

by me provisions nervor, ninest new stara maye offner and writers articles of partnership shall, unless otherwise agreed upon, be deemed to be a yearly partnership shall unless otherwise agreed upon, be deemed to be a yearly partnership renewable from year by tast consent, partnership shall be minimal such other matters as pertain solely thereto.

S.4. Ric offneto: Mining partnerships can locate and record in the partnership name a numeral claim for each partner, but the name of every partner and the number of every partner's free names, and such extractificate shall be on the record of every such claim. The partnership name must appear on every such record, and all the claims so taken up shall be the property of the partnership provided, always, that no tree numer who is the member of a mine partnership, holding by right of location a mineral claim, shall be entitled to hold by right of location in his own name or in the name of any other partnership any historest in any other nineral claim on the same vein or lode on which the partnership claim is fusion.

mineral claim on the same vein or bode on which the partnership claim is stuade.

S. FAMA BE TO KETPLECTETH ICALE. Should any partner ail to keep up his tree miner's certificate, such failure shall not cause a forteiture, or act as an abandonment of the partnership claim, but the share of the partner who shall so fail to keep up his tree namer's certificate shall become vested in his partners, see PARTNERS REGILT TO VOTE. A partnership and many necture mership or his agent authorized in willing shall, at any necture in the shall be about the partnership of the agent authorized in willing shall, at any necture and interest which he may hold therein, but the result of the votest given shall be determined by the number of the full interest voted upon, and not by the number of partners voting at such meeting.

Normal To Make Assessments. A majority of such vortex nay decide when how long and in what manner to work the partnership claim, the number of men to be employed, and the extent and manner of levying the assessments to defray the expenses incentred by the partnership. Such majority may also choose a foreman or manager, who shall represent the partnership to the majority may also choose a foreman or manager, who shall represent the partnership to the majority may also choose a foreman or manager, who shall represent the partnership agent, shall be entitled to represent his interest in the partnership property by work and labor so long as such work and labor that the property by work and labor so long as such work and labor workman being discharged by the foreman or manager the court having jurished on in minute disputes have, it requested, summon make such order as it shall decen just.

S. Assi SSMINIST OF DE PATO WITHIN FILITIV DAYS. All assessments shall be payable within flurty days after being made.

made,

st. D. I. M. I. I. N. PAVMENT, of ASSESMENT. Any partner
making detaild in payment, after receiving a notice specifying the
amount due by him, shall, it such amount be correct, be personally hable therefor to the partnership, and his interest in the
partnership property may be sold by the partnership for the payment of the debt, and any further assessment that may have accured thereous the debt of the day of the safe, teacher with all costs
and charges becausined by such default, and if the proceeds of
the safe be insufficient to pay of the several sums mentioned, the the same or insuncein to pay on the several same memoriner, the court having prisidentor in nating disputes, upon being applied to, shall issue an order directed to the sherril to seize and self any order of the above cases, be conspicuously posted thirty clear days prior to the day of sale, in the viently of such mains. other property, and on the court-house or mining recorder's office nearest thereto. But if such partner be absent from the district such notices shall be posted as aforesaid sixty clear days before the day of sale, and a copy of such notice shall be published in some newspaper circulating in the district wherein such imming or other property is siture. Such sale shall be published in some newspaper circulating in the district wherein such imming or other property sold, and to a hill of sale therefor signed by public another the property sold, and to a hill of sale therefor signed by purchaser as the owner had.

99. EFFECT OF NOTICE OF ARANDOMMENT, After a notice of abandonment in writing shall have been served on the foreman or manager of a partnership incurred after service and record of such notice, and no member shall not be liable for any debts or other liabilities of the partnership incurred after service and record of such notice, and no member shall not be deemed to have abandoned an interest until service and record of such notice. GONTIN LING PARTNERS, Upon the abandonment of any shape in a mining partnership, the title to the abandoned share shall vest in the continuing partners pro rata according to their former interests, 29. PARTNER MAY SELL HIS INTEREST.—Any partners shall be entitled to sell or contract for the sale of his interest in the debts of the partnership.

93. AFFER SALE, PARTNER, MAY BAUNKERS, FOR DEFERS OF ALLY BURNERS IN SUBJECT AMILITY.

### LIMITED LIABILITY.

94. LIMITED LIMITITY.—Any mining partnership composed of two or more free numers may limit the liability of its members, upon complying with the requirements following, that is to say: Upon filing with the mining recorder a declaratory statement, containing the mane of the partnership, the location and size of every partnership claim, and the partnership action and size of every partnership claim, and the partnership art of every such claim, in large betters, the name of the partnership, followed by the words "Lamited Lability."

the words "Limited Laddilly."

25. ADDITION TO COMPANY'S NAME. The words "Limited Laddilly." Shall thereupon become part of the partnership name, 95. Expert Or. After such conditions shall have been compiled with, no member of such partnership shall be liable for any name of the such as the partnership shall be liable for any named to his interest in the partnership shall be finable for any sounced to his interest. The partnership shall seep a correct necount of its assets and habities, logether with the names of the partners, and the interest held by each, and shall make out a mouthly balance sheet showing the names of the creditors, and the amounts the to each, and like the same among belief to be such as the same shall make the same and if the looks of the partner by ship; and such balance sheet and all the looks of the partner burst.

ors at all reisonable hours.

28. PARTER MAY SELL. Every partner in such partnership shall be at liberty to sell or dispose of his interest therein, or of any part thereof, to any other free miner.

39. PARTER MAY SELL. Every partner in such partnership after a bill of sale conveying his interest has been duly recorded, or after he has served a notice of abandonient of his interest on the foreman and lett a copy thereof with the mining recorder, shall be liable for any indebtedness of the partnership in memeral thereafter.

10. DIATERMEN, No such partnership shall declare any dividend unit all its liabilities have been paid.

10. APPOLYMENT OF FOREMAN, Every such partnership shall appoint a foreman or manager, who shall represent the partnership, who shall suc and be such in the name of the partnership, and his contracts in relation to the business of the partnership.

102. To WHAT PARTNERSHIP IS LIABLE. No such partnership shall be hable for any other indebtedness than that contracted by its foreman or manager, or by its agent duly authorized in writing.

103. FAILLER TO COMPLA WITH PROVISIONS. Should any such partnership tail to comply with any of the provisions of this sact relating exclusively to "limited liability" partnership, such partnership shall, from the date of such failure, cease to be a "limited liability" partnership.

### MINING RECORDERS.

MINING RECORDERS.

101 A DEOLYMPKY OF. The literium/regovernor in conneil may appoint any person to be a mining recorder in and for any part of the province.

105 EEE (TON O) BY MINERS. Where mineral land is discovered in a part of the provinces os stimate that the provisions of this act as to tree indices experience and records of imming property cannot be mixtly applied or entored by presson of therefore, and the provision of the property and the mixtly applied or entored by presson of the statistic of the provision of the statistic of the provision of the property and such most property and such meetings, by a two-thirds vote, to appoint one of their number to issue tree namers certificates and to enter records of maining property, and such certificates and records shall be valid, not distantially any informality therein, provided that all records so to this, act, and a list of all tree numers' certificates, issued, and to the records of the date and term thereof, and the feets for the same, be forwarded to the nearest gold commissioner or mining recorder as soon thereafter as practicable. thereafter as practicable.

106. To ISSUE CERTIFICATES. Every mining recorder shall issue free miners' certificates and "substituted certificates" to all persons and companies entitled thereto.
107. Book or Forms.—Such free miners' certificates shall be taken from a printed book of forms, with duplicate counterfoils, build be field in the office of the mining one of which counterfoils shall be field in the office of the mining recorder.

recorder.

108. Books: To BE KEFT. Every mining recorder shall keep the following books: (a), A book to be known as the "Record Book!" (b), A book to be known as the "Record of Alandon ments;" (c) A book to be known as the "Record of Alandon ments;" (c) A book to be known as the "Record of Alandon ments." (b), A book to be known as the "Record of Order of Delay (b), A book to be known as the "Record of Order of Delay (b), A book to be known as the "Record of Order of Delay (b), A book to be known as the "Record of Order of Delay (b), particulars required by Section 6, and any entry made in victation of this section shall be also interviewed, and any company of tree miners, who bocate and record adjoining influent claims to be worked by them in company, as a mining partnership, provided in such claims all the work required to entitle them to a certificate for work done for each claim beld by such company, and upon being satisfied by allolavit, setting out fully the partnership of such work that it is equal to stoo for each claim held by such company, the turning recorder shall beste a certificate for work for each claim held by such company, the turning recorder shall beste a certificate for work for each claim held by such claims.

for each of such earnis.

10. ISSTE OF CERTIFICATE. Upon receipt of an attidayit set fine forth a detailed statement of work, as required by Section 23, the mining recorder shall issue a certificate of work in the Form E in the schedule to this act.

r, in the sementic to this act.

TH, FHANA, AND EFFORD. Upon issuing such certificate of work, the imming recorder shall file such allidavit and record, the same in the record of allidavits, and also record such certificate of work in the record book.

of work in the record book.

12. Recontrol CERTHIO VIE OF TUTROVEMENTS. Upon receiving a certificate of improvements, the mining recorder shall record the same verbatim in the record book.

113. Witvy Recogner Massi Riscord. The imming recorder.

113. Witvi Ricouria R West Ricouri. The mining recorder shall record all extensions of time heeness, permits, grants of water-rights and other privileges granted by the gold commissioner or mining recorder, and all to fettines declared by the gold commissioner. And a memorandium of every indexical declared and the gold commissioner, and a memorandium of every indexical declared another of a Maximos Martin 1 point the receipt of a notice of abandomment, the mining recorder shall record to a notice of abandomment, and mining recorder shall record how the receipt of a notice of the claim affected by such notice, and write across the record of the claim affected by such notice, and they are the order of the mining and the state of the receipt by him of the notice. If only an interest maximum all claim is abandomed, and not the entire claim, the menorandom in the

anamoned, and not the entire cann, the memorandum at the record shall show which interest is abandoned. (B), Or AltifoAviis—The maning recorder shall record, by copying out Aerbalim, all affidavits and declaratory statements brought to him in connection with his other, in the record of

affidiards. [16, OCALYANCES, LEE]. The maning recorder shall record, by copying out verbating in the record of conveyances, also on veyances, more gase, balls of sale, contracts to sale and oth redocuments of title, including powers of afformery or other authorities for exercise all or any of the above description of documents,

thes to execute all or any or the above description of documents, when brought to him for that purpose . II., Or. Doct MENTS. The maning records a shall percord in the record book all often documents relating to mining property which may be brought to him for record, and shall fibe all such documents which may be brought to him to be fiberall such documents which may be brought to thim to be fiberall when the start of FATRY TVER entry made in any of the above books shall show the date on which such carriery as made in the fiberall shall during of the hours, be open to public and documents filed Shall, during of the hours be open to public

inspection free of charge

uistection tree of charge.

129 OFF Let OUT. SEED TYMES XEE PVEY copy of or extract from any centry in any of the said books, or of any document filed in the immig recorder's office, certified to be a true copy or tract by the manuel recorder, shall be received in any court as evidence of the matters therein contained.

121 DEFA ON RECORD APPLIED ATTENDED TO THE APPLIED A is appear, the minute receiver smar semi-sem memors, together with the undermentioned papers, to the gold commission of the extilitient of improvements. (\*) Albayd of the holder of the minuted claim of his agent (\*) Albayd of the previousland surveyer, (4.) A copy of the plant of the minuted claim, of his tree are very surveyers original helderders, h. An application too the

erown grant.

122. De 1118 with RELLERING FORMITIESTES. I poin receignt from the lessee of a mill-site of all the moneys and documents mentioned in section 87, the making recorder shall-send the same to the gold commissioner.

133. RECORDER TO COLLECT FLUS. Before issuing any free miner's certificate, or substituted certificate, or certificate of work, or making any gray of a viriact the croin, the maning document, or making any sept of a viriact the croin, the maning and secure of the collection of the manifestic field of the collection of the second of the manifestic field of the croin of the croin of the manifestic field of the croin of the croin of the manifestic field of the croin of the croi

owner of such time a certificate of work, showing that such work has been done. The year in this section shall be deemed to commence on the 1st of January of each year. 125. MENING DEVISIONS. It shall be fawful for the heutening-governor in council to divide and subdivide any district into min-ing divisions, and to establish in each mining division a mining recentler's office.

recorder's office.

recorder's office.

126. EPFET OF RSTARTSHAMENT OF RECORDER'S OFFICE.
Upon the establishment of a mining division, and the opening of a mining recorder's other therein, under the authority of the last preceding section: (a), Such office, and none other, shall be the proper other for recording all claims, records, certificates, documents, or other instruments athering claims, inness held as real nearly of the recording and claims, and section of the stable of the continuous of the recording and claims, and the same, any thing is required to be done at or in the office of the gold commissioner or maning recorder of the district, it shall, it the same affects of concerns any claim, mine held as real estate, or mining property static within a mining division by done at or in the office of the mining recorder of the mining division wherean such the district or division of any mining recorder being divided or subdivided into mining divisions, it shall be the duty of such mining recorder to make, or cause to be minde, a transcript of all the entries in all the books mentioned at Section tos, affecting claims, made she had as real estate, or mining property, situate in each next or called as real estate, or mining property, situate in each next or called as real estate, or thing property situate in each next or called as real estate, at a mining property, situate in each next or called as real estate, or thing property situate in each next or called as real estate, or thing property situate in each next or called as the each of the control of the records of such other instruments shall prima take be deemed to be true copies of the several records, certificates, documents or other instruments shall prima take be deemed to be true copies of the several become a flooring of the transcripts, and such that scripts or capies the real when over the other control to be true contents of the control of the records of the control of the cont 126. Effect of Establishment of Recorder's Office.

state in examples in all confris of inheature in this provinge, 15 (6) (4) COMMISSIVE HAS ALL POWERS OF MINING RECORDER. When there shall be no imming recorder for a district of dayson, the duties of the imming recorder shall devolve upon the gold commissioner, and it shall of all times be fawful for the gold commissioner, and it shall of all times be fawful for the gold commissioner in the duties of the imming recorder, and the gold commissioner shall have all the powers of a mining proceed.

mining research. Her jes. The mining researches voltes shall be upon upon such shave and hours so the featuremal governor in council may from time to time appoint, and fading any partie may appear that appointment shall be kept open jugen a "budy severepting only her broblays, from 10 A/M, to 3 P/M, and such times shall be deemed the offuse hours of such offuse.

### GOLD COMMISSIONER'S MINISTERIAL POWERS

# TENNITS AND DRAINS.

12). Lici 881 Fore At shall be lawful for, but not (2) Lie i SSI Poir. It Shall be lawful for, but not no indicent upon the gold commission to grant a free new form the finite being the lawful holder of a mineral cleans or in me held as real the development of week not stoke them or more throughout occupied of amore queel lands, whether mineral or otherwise, upon security being deposited or given to firm to his satisfaction for any damage that may be done thereby, and upon such other terms as he shall think it.

- 13). Gravi or Wvi i Rasiti II shall be lawfil for, but not normbent upon the good commissioner to craft a water traffit to are tree more wides who is the layed bolds of a note in relating more and under the more wides and the more relating more any undergoed in the propose for any term not exceeding twenty wars, and upon such terms and could tous as the gold commissioner shart think (1), upon being safityled that a 1 the conditions so to stop in have been contained with. And in all cases where he shall think lift to extend the time for the recording of the grant
- 1.1 Fristian On the expert on of the grant to any such water cally its shall be haven for about not membershaps in the gold commissioner to renew such grant for a further period not exceeding terms arisen to any savine of that the necessity for the use of the water for the purpose for which it was originally granted continues to exist.
- The Property of the proof that any renter his not com-plied with all or any of the conditions upon which grants of water rights are held, the gold commissioner may do tare the grant to torbuted.
- of non-term (1). When sinch grant shift beyon, indices of the state of the safety may be a superficient of the safety may be a superficient of the safety may be superficiently the manageness of the term of safety and safety may be superficient to the safety may be superficient
- by such change. Let GRIDOR. The gold commission (1967) in all neoper cases, grant on a thort V or VCCC, by Let V person dosin a, but bringe any stream, claim of discussion for the grant pose, or to mine under or through any date in or the grant pose, or to mine under or through any date one perform due to the grant water through two vorganity and the dose performance over any variety does not consider the grant for the grant performance of the construction of which, for cross direct or of the grant privilege or other mining relative the source of the grant privilege or other mining relative the source of some may order the owner of any date by the grant performance may order the owner of any date by the grant performance grant or any order the owner of any date by the grant performance grant performance.

such manner as such gold commissioner shall think fit, all damages which may be occasioned by or through any part of the works of such ditch, flume or pipe breaking or being impertect.

### WORKING OF MINES OR CLAIMS, AND OTHER POWERS.

ET. CERTIFICATE OF IMPROVEMENTS. The gold commissioner shall issue to the lawnd holder of a mineral claim a certificate of improvements in respect of such claim, upon being satisfied had such holder has compiled with all the requirements

satisfied that such hoster has complied with all the requirements of section also this sact, and that such claim is not in Higgstion. On section also the sact, and that such claim is not in Higgstion to allow a free miner holding adjoining mineral claims to perform upon any one of such claims all the work required to entitle him to a certificate of work for each such claim, and, upon being satisfied by an addicata setting out fully the particulars of such work, he shall direct the numbig receiver to assue a certificate of work for each such claim.

work for each such claim.

139. RELO ATION. The gold commissioner may in his discretion permit a free namer to re-locate a mineral claim, or any part thereor, which may have been abandoned or forteified by such free miner, provided that such re-location shall not prejudice or interfere with the rights or interests of others.

140. SPACE FOR DEPOSITS. The gold commissioner may mark out a space of ground for deposits of leavings and deads from any timel, claim or mining ground, upon such terms as he may those one.

ally times, cannon mains ground or think just.

144. PUBLIC SAFETA. The gold commissioner shall have the power to summarily order any mining works to be so carried on as not to interfere with or endanger the safety of the public, any content of the public of the publi as not to interfere wan or changer the sarry or or poor, any public work or highway, or any munutg property, mineral claims, mining claims, bod-rock drains or bed-rock flumes; and any akandoned works may by his order be either filled up or guarded to his satisfaction, at the cost of the parties who may have con-ribled the same, or, in their absence, upon saled terms as he

to his satisfaction, at the cost of the parties who niay have constructed the same, or, in their absence, upon such terms as he shall think 0.

12. Crown Grayts Under Amenican delivers of the same and the same of the same

that effect

145. COMMISSIONER TO FORWARD DOCUMENTS, ETC. 

ing out of the provisions of this act

### ADMINISTRATION

MOMINSHMAMO.

46. TO TAKE ESTAIN OF INTESTAINE DRAFT SEED MINERS. The gold commissioner shall take possession of the mining property of any deceased tree miner, and may cause such mining property to be duly worked, or dispense therewith at his option.

48. TO ADMINISTIE ESTAIE OF INTESTATE DEFENSE MINER. The gold commissioner, or any person authorized by bins, shall take charge of all the property of any deceased free miner until the issue of letters of administration or produce of the will, if any, provided, however, that where any free uniner shall definitely and the value of the personal estate of such for the gold commissioner that the production of the personal destate of the deceased and do all things necessary and proper therefor, and act in all respects as if betters of administration to the personal estate of the deceased and deal things necessary and proper therefor, and act in all respects as if betters of administration to the personal estate of the deceased and deceased tree names had been granted to such gold commissioner. and the gold commissioner shall produce and pass his accounts, in each estate of which he shall undertake the administration, before a judge of the county court of the district.

### COUNTY COURTS.

OF NTY COURTS.

The Alteristor rios. I hadd from to the purshiption and powers given to county courts by the "County courts durisdaetion Act," and of the first of the state of the first of the state of the first of its district, all the jurisdaetion and powers of a court of law and county.

It had personal actions, where the debt or damages claimed arise directly out of the business of mining other than coal mining, or from the exercise of or interference with any right, power or privilege given or elamed to be given by this act or given by the second of the state of the

3. In all actions for supplies to persons engaged in mining, where such supplies were bought, contracted for or supplied for were alleged to have been bought, contracted for or supplied for numing purposes, or for consumption by persons engaged in mining or prospecting.

ing or prospecting.

4. In all actions of trespass on or in respect of mineral claims or other raming property, or upon or in respect of lands entered of trespassed on, or claimed to have been entered or trespassed on, in scarching for, mining or working minerals other than coalt, or for any other purpose directly connected with the business of mining other than coal mining, or in the exercise of any power or privilege given or claimed to be given by this act or any other act relating to mining tother than coal mining.

5. In all actions of element from mineral claims or other muning propert or or or mining the entered, or claimed to have been coalt, or for any purpose directly connected with the business of mining, or entered or claimed to have been entered or entered or claimed to have been entered or any purpose directly connected with the business of mining, or entered or claimed to have been entered under some power, right or authority given or obtained under the provisions of this act or any other act relating to mining other than coal mining. mining).

6. In all suits for foreclosure or redemption, or for enforcing any charge or lien, where the mortgage, charge or lien shall be on numeral chains, mines or other mining property.

7. In all suits for specific performance of, or for retorning, or detecting up, or canceling any agreement for sale, purchase or lease of any nameral claim, nume or other mining property.

3. In all suits for the dissolution or winding up of any inding partnership, whether registered or not, under the provisions of

9. In all suits relative to water-rights claimed under this act or

any other act relating to maning other than coal mining;
10. In all proceedings for orders in the nature of injunctions, where the same are requisite or the granting of relief in any matter in which jurisdiction is given to the county court by this

matter in which purisdiction is given to the county court by this act.

150. MINING 41 RISING THON.—The jurisdiction given to county courts by this act shall be known as the "mining jurisdiction" of the county court, and the words "mining jurisdiction" of the county court, and the words "mining jurisdiction" shall be written or pranted on all summoress, writs and other process and maning jurisdiction of the county court.

151. Powkin or COCIETS AND OFFICERS. County courts and county court judges, registrars, sheriffs and other officers shall have the same darker, bowers, previleges and authorities in all actions and suits and other proceedings brought under the mining intisdiction of the county court as they now have or at any time hereufter may have in actions and sitts and other proceedings the provisions of all acts for the time being in force regulating the duties and powers of county courts and county court judges, registrars, sheriffs and other officers, and regulating the practice and procedure in county courts, and all rules and orders for the time being appheable to the ordinary jurisdiction of the county court, shall, so far as practicable and not inconsistent with this action. The proceedings is the provision of the county court of the county court of the process of the county court of the process of the county court of either of such districts before which the dispute is first brought shall determine it.

153. Stavtownski Revi in a process of the proceedings returnable of the practice of all parties concerning and in the interest of all parties concerned, and it shall be lawful for the registrar to make summonses or other proceedings returnable northwith or at any other time.

the regisfrar to make summonses or other proceedings returnable forthwith or at any other time.

154. MAY DECIDE ON THE GROUND. In all mining actions or suits the court may decide the question at issue upon the ground in dispute, and such decision shall be entered as in ordinary cases

morphic, and such decision small person for the property of the small person of the sm

156, Cosas.- In all actions, suits and other proceedings within to see to see an arrows, sms and once proceedings within the minus paradiction of the county court, the indicate many terms are the county court rules, or if he shall consider the case of sufficient importance he may order that costs be layed as in the supreme court, and the costs so ordered shall be the costs recoverable in such action, suit or other proceedings.

158. WRITS OF CAPIAS AD RESPONDENDING ETC. Any county court judge having purisdiction in mining causes may county from page axing parsanction in mining casess may direct the issuing of writis of capits and respondentium, he event teems and capits ad saftstaclendium in all cases in which by law he has ministration of the subject and the said, but finder and subject to such conditions as a judge of the supreme court might usually require in applications of a similar nature.

## PENAL AND MISCELLANEOUS.

159. PENALTY FOR CONTRIVENTION OF ACT. Any person withfully acting in contravention of this act or refusing to obey any lawful order of the gold commissioner or of any judge presiding in a court shall, on conviction thereof in a summary way before any two justices of the peace or a stipendiary magistrate or before any judge of a court having jurisdiction in limiting distincts, be liable to a fine not exceeding \$250 or to imprisonment, with or without hard labor, for any term not exceeding three months.

months. 150. RECOVERY OF PENALTIES—All times and penalties ampused or payable under this act may be recovered by distress and each of any mining or other personal property of the offender, and in default of sufficient distress by impresument, with or without hard labor, not exceeding three months.

461. FINES, ETC. All fines, fees and penalties collected under us act shall be paid into the consolidated revenue fund of British Columbia.

ish Columbia.

12. SAVING REGIES. Nothing herein contained shall, save where such intention is expressly stated, he so construed as taken proposed in the passing of this act; and all mining rights and provided heretofore and hereinder acquired shall, without the same boundary in the passing of this act; and all mining rights and privileges heretofore and hereinder acquired shall, without the same boundary expressly stated, he deemed to be taken and held subject to the rights of len Majesty, her heirs and successors, and to the public rights of way and water.

123. Corpus of Act. Every free miner, or application to the mining recorder of the district, shall be entitled to a printed copy of this act.

of this net.

of this act.

164. Bet one Who w Al FIGWELS MEST BE MADE. Affidavish and disclarations made under the provisions of this act shall be unade before some judge or registrar of a court of record, or before some gold commissioner, mining recorder, stip endary magistratic justice of the peace, notary public or commissioner for taking affidavits.

### REPEALING CLAUSE

IEEE VALVO CLAVSF

165. The acts and parts of acts mentioned in this section shall stand repeated and be repeated, but such repeat shall not be deemed to minly that any of the said and repeat shall not be deemed to minly that any of the said and repeat of acts which have been repeated at a fundamentary for the passing of this act parts of the passing of this act properly the passing of this act properly shall not affect any rights acquired, or any habitutes of penalties mentred, or any act of thing done, mader any of the said acts or parts of acts. The "Mineral Act," save and except sections 4.5, 6.43, 19, 202, 27, 32, 33, and 22, "An act to amend the "Mineral Act, 1880," the "Maneral Amendment Act, 1800" paragraph as in Selection 4.5 of the "Licerses Act," Section 75 of the "Companies Act,"

### SCALE OF THES TO BE CHARGED

For every free miner's certificate stor each year	Κ,	0	ı
Every substituted certificate		134	
Recording any claim		14	
Recording every certificate of work		-	١
Recording any "lay over," or every other record required to be made in the "Record Book".		70	,
Proportion overs abandonment including the memerandum			

Recording every abandonment, including the memorandum to be written on the record For any other record made in the "Record of Abandon ments"

For recording every allidavit, where the same does not ex-For recording every almoatif, where the same does not ex-ceed three tolos of one hundred words. For every tolo over three, as een's per tobo. The above rates shall be charged for all records made in the

rine above rates shall be charged for all records made in the "Record of Albhavits." For all records made in the "Record of Conveyances," where the same does not exceed three folios. For gyery folio over three, a further charge of accents per

For all copies of extracts from any record many of the above named books, where such copy or extract shall not ex-ceed three tolos, per copy

cess three tones, per copy where such repres or extracts exceed three tohes, accents per tohe for every tohe over three. For filing any document

# For a crown grant PLACER MINING ACT

Sirong Titta. This act may be cited as the "Placer Mining.

Vet. 1817.

A. 1818.

A. 1

and hild diggings." Shall mean any name in the bed of any river, stream or ravine, excepting bir diggings. "Start mean are tagings." Shall mean any infine over which a river extends when in its flooded starte.
"Dry diggings." Shall mean any name over which a river never a bry diggings." Shall mean any name over which a river never.

"Bench diggings," shall mean any mine on a bench, and shall, for the purpose of defining the spe of a claim in bouch diggings, be excepted from "dry diggings," "Hill diggings," shall mean any mine on the surface or a hill, and fronting on any natural stream or ravine, "Streams and ravines," shall medide all natural water-courses, whether usually continuous water or not and all rivers, erocks whether usually continuous water or not and all rivers, erocks

whether usually containing water or not, and all rivers, creeks and gitches.

"Datch" shall include a flume, pape, race or other artificial means for conducting water by its own weight, to be used for mining

shall measure at least too more out off and squared or faced to the above height and size, "Record," "register" and "registration" shall have the same

meaning and shall mean an entry in some official book kept for

that purpose.
"Record," when used without qualitying words, showing that a

"Theoret," when used without qualitying words showing that a interent matter is referred to, shall be taken to reter to the re-ord of a beatism of a placer claim.
"This interest" shall mean any placer claim of the mill size, or "the secretary" shall mean any placer claim of the mill size, or "a lasse session" shall mean the period of the year during which placer claims in any district are laid over by the gold commissioner in their district.

placer claims in any atserter are majover by the good commissioner of that district.

"Clause" shall include any suit or action,
"thadgment" shall include around of ordered,"
"Real estate" shall incan any placer inneral land, head in tee

simple:
"doint stock company" shall mean any company duly meorpo-tated for mining purposes under the "Companies Act," "Com-panies Act, 1896," and any company duly mean parted in Fritish Columbia for mining purpose under the "Companies Act, 1898, imperials," and shall meinte all companies under the definition of a foreign company in the "Companies" in the Life of the Companies and Companies and Companies and Companies the Life of the Companies and Companies a smoothe

Vet of 1891

### SIZE AND NATURE OF PLACER CLAIMS

1. Fig. 1 West Ray Records And Price uses: Every free more shall be entailed to becare and record a placer claim on each separate cross, rayone or hall, but not more than two claims to shall be accepted to the control of the price of the control or any interest therein

the SIZE of PLACERCLAIMS. The Size of placer claims shall

the SAL of PLAFELIAMS. The size of placer claims shall be as follows.

"Serock claim" shall be one hundred teet long, measured in the direction of the general course of the stream, and shall extend in width troin base to base of the hill of bouch on each sale, but when the hills of benches are less than one hundred teet apart the claim shall be one hundred teet spars. In "but diggings," a claim shall or a strict scheduling from high water mark into the region mark, and in strain extending from high water mark into the region shall be one hundred teet sparse. In "time the digging," a claim shall be one hundred teet sparse, in which taggings," a claim shall be one hundred teet sparse, in which taggings, "a claim shall have a discount of the bench, but not to exceed one hundred teet sparse, and bench is fairow, to extend the huns, but the claim beyond the funding of the discount of the high sparse and the sparse of the small of the base line, at right in the transition of the but of the place one hundred teet, diaxwip parallel to the main direction of the small of the base line, at right in the term of the small of the high school between or taxine on which it from a bright in the safe lines therefore the place one hundred teet apart, on both of the small of the but was a market in the safe times therefore the place of the hundred freed part, on both of the but was a place of the hundred freed part, on both of the mark of next to the market extend beyond the place of the hundred freed part, on both of the market of the same of the

ierse line and side lines, and no claim shall extend beyond the post's optaged at the post of the post

### LOCATING, RECORDING, RE-RECORDING, WORKING AND LAY-OVERS.

20. SHAPE OF CLAIM AND HOW MARKED. Every placer claim shall be as nearly as possible rectangular in form, and marked by four legal posts at the corners thereof, firmly fixed in the ground. One of such posts shall be marked as the "initial post," and on that post shall be placed a legible notice in writing, stating the name of the claim, its length in teef and general direction, with the date of the notice and the name of each locator. If any side-line of any claim shall exceed one hundred teef in length, legal posts shall be placed a long such side-line, at distances not exceeding one hundred teet.

21. Location Market (eds.)

ing one hundred teet.
21. Leev ries. WARE ON SUSDIA: Any location made upon similar or any indice holians shall not not had reason be uvalid.
22. Disperses. In case of any dispute as to the fifte for placer claim, the fifte to the claim shall be recognized necording to the priority of such focation, subject to any question as to the validity of the record itself, and subject further to the free miner having compiled with all the terms and candidates of this act.

compared with an the terms and conditions of this act.

23. Records of CLAIM. Every free miner locating a placer claim shall record the same with the mining recorder of the district or division within which the same is situate, within three days after the location thereof, if located within ten miles of the office of the said mining recorder. One additional day shall be allowed for making such record for every additional fen miles or allowed for making such record for every additional ten infles or traction thereof. Such record shall be made in a book to be kept for the purpose in the office of the said mining recorder, to be known as the "Record Book," in which shall be inserted the name of the claim, the name of each locator, the number of each locator's free miner's certificial; the locality of the claim, its length in feet, the period for which such record is granted, the date of location, and date of the record; provided that a free inher shall not be entitled to a record of a claim until he shall have turnished the mining recorder with a written statement of the above particulars.

the above particulars.

21. For First 18.F. After the recording of a placer claim, the removal of any post by the holder thereot, or by any person netring in his behalf, made for the purpose of changing the limits of his claim, shall act as a fortestire of the claim.

23. Ricotorise To Bir Myor.—Upon the extablishment of a mining division and the opening of a mining recorder's office therein, under the authority of this act, such office and none other shall be the proper office for recording all placer claims within such mining division, and making all records in respect thereof.

In the proper office for recording all placer claims within such mining division, and making all records in respect thereof, under the shall record a placer claim in a different district or mining division to that in which shed claim is sinate, such earn restall not affect his title to such claim, but he shall, within fitteen days from the discovery of his error, record such claim in the soan not ancer institue to such carm, our ne snar, within infecendays from the discovery of his error, record such claim in the district or mining division in which it is situate, and such new record shall bear the date of the first record, and a note shall be made thereon of the error and of the date of the rectification of the same

27. DURATION OF RECORD. A free namer, having duly located a placer chann, shall be entitled to record the same for one or more years upon payment of the tees set out in the schedule to thus act

S. RE-RECORD OF A CLAIM. 28. Ris-Riscourt or VCLAIM. A free namer shall, at any time during the existence of his record or re-record, be entitled to ex-tend the term of his interest in his placer claim for one or more during the existence of the record or respected, be entitled to exhemic the term of his interest in his phager claim for one or more years, upon payment of the recesset out in the schedule to this act, by respectiving such claim. Such research shall be made in the name of each holder of an int. If the name of the chain, a. The name of each holder of an int. If the manner of the chain, a three name of each holder is not in the respective of the period of each such holders for miner's eserthicate, 4. The locality of the claim, 5. The period for which such respectively.

29. APPLICATION IN RECORDER'S AISSENCE. If a free numer shall apply for a record, and shall make such application at the number recorders other during other hours, but during his absence of the person in charge of the said office, he shall be entitled to have a record dated on the date of such application.

29. SAWEAS to RE-RECORDER'S AISSENCE. If a tree numer shall apply for a record, and shall make such application.

20. SAWEAS to RE-RECORDER SAWEAS THE manner shall apply for a record, and shall make such application at the numing recorder's office during office hours, but during his absence, and mitomation required by Section 28, with the office or other person in charge of said office, he shall be entitled to have a record.

30. Traws A tree inner, having duly located and recorded a placet claim, shall be entitled to hold the same during the existence of the placet claim, shall be entitled to hold the same during the existence of the placet claim, shall be entitled to hold the same during the existence of the placet claim, shall be entitled to hold the same during the existence of the placet of the shear of proposition of the scheduling more complying with

ence of his record or re-record of such claim upon complying with all the terms and conditions of this act.

an increase and conditions of the second the excita-ion for the second the second the second the second second the second second to the upon this place claim, for the inner-like work-ing thereof, and the construction of a residence thereon, and shall becautified excitasively to all the proceeds realized therefrom provided, that the gold commissioner may, upon application made to him, allow other tree imners such rights of entry thereon

made to tuni, and other tree times such ugits of effity thereon, is may be necessary to the working of their claims, upon such terms as may be thus seem reasonable.

3. Littles of may to him seem reasonable, the title to a placer claim, no ittegularity made prior to the date of the the cut their record of respectively asked learns but affect the rate them cut ent record of respected of such claims but affect the rate theoretic, and it shall be assumed that up to the date of the date of the property of reasonable that up to the claim of the property of the relation of the date of such records of the proposal that the former shows we have ancer one true thereto, and it sum by assumed that up to the date of such record or resteroid the tille to such claim was per-fect provided, always, that it shall at all times be open to prove by the ground was improperly or insufficiently staked, or that the stakes have been illegally moved.

34. Works 18. Connection with Claim.—Tunnels, shalls and difches shall be considered as belonging to the placer claim for the use of which they are constructed, and as abandoned or forfeited by the abandonment or forfeithre of the claim itself. In the claim of the claim itself, and the properties of the claim testing in the properties of the claim of the claim in the first may be of an oblong or elliptical form, no party shall be allowed to under fully any of the said angles, nor from either end of such hills, so as to interfere with parties tunneling from the main frontage, 36. INTEREST IN CLAIM CHARTEL INTEREST. The interest of a first interest of a first interest of a first interest of a first placer in the claim shall, saye as to pacer infine to a lease, for such period as the same may have been recorded.

neral as real estate, or neemed to be a chantel interest, equivalent to a lease, for such period as the same may have been recorded, renewable at the end thereof by re-recording, and subject to the conditions as to forfeiture, working, representation, resrecording and otherwise, for the time being in force with respect to placer claims

35. Horther or Placere Claim No Right to very lobeler.

36. Horther or Placere Claim No Right to any year or lode, as chieffed by the "Mineral Act, 1891," within the limits of such placer claim, unless he shall have no right to any year or lode, as chieffed by the "Mineral Act, 1891," within the limits of such placer claim, unless he shall have located and recorded the ground, the same shall he open to any free miner to locate and record as a mineral claim.

38. DUTIES OF PLACER CLAIM HOLDERS. Every placer claim as defined by this act shall be represented and bona fale worked to the state of the placer of the placer of the placer claim as defined by this act shall be represented and bona fale worked of the placer of the

which shall be shown to the sinistaction of the good commissioner.

32. LeXA see A rises by a Freely free miner, or company of the miss or their placer claim or set of claims.

43. LeXA see a rise of the see that the set of claims is or their placer claim or set of claims.

44. Upon proving the good commissioner that he or they has or have expended on such claim, or on any portion of the set of claims, in cash, labor or machinery, an amount gapant to \$1,000 on each full interest, without any religion of gold or other inherals in reasonable quantities from such expenditure; and  $(b_i)$  Upon the application for such leave being signed by all the holders of the claim or set of claims. Such leave of absence shall not be deemed to refleve the holder of such claim or set of claims from carrying out the provisions of this act respecting free numers' certificates, records and re-records of such claims; nor shall this section affect the discretionary power of the gold commissioner with respect to granting a leave of absence

gord commissioner with respect to granting a rease of absence inder other conditions.

40. FORFETT BES AISSOLUTE. Every forfeiture of a placer claim shall be absolute, any rule of law or equity to the contrary notwithstanding.

notwithstanding.

4). Nor EXTITLED TO LAY-OVER,—No placer claim located and recorded in any district within hourteen days before or at any time during the close season shall be deemed to be laid over, unless so much work shall have been long fide done thereon by the holder

sommet work shall have been bona had done thereon by the holder thereof as shall, in the opinion of the gold commissioner, fairly en-litle him to have such claim land over.

22. I.A.Y. OVER DI RING ISST PETCHENCY OF WATER. Where the supply of water is insufficient towork hydraulic or other placer claims requiring water to enable them to be worked, such claims shall be laid over by virtue of this section during such his illience, but no longer, except by leave of the gold commissioner; but a notice of such unsufficiency of water most be posted on the officer of the unning recorder within three days from the cressition of work

43. Riccomp of Charless on Charles. Every bill of sale, conveyance or mortgage of a placer claim, or of any fraction thereof, shall be recorded within the time prescribed for recording placer. claims

LEANNSFERS. No transfer of any placer claim, or of any moreost theorin, shall be enforced the leads to the same or some memorandum thereof shall be in writing, saided by the transferrer, or by his agent authorized in writing, and recorded in the record of convexances.

45. "GOLD MINING AMENDARINA CLASSE". The gransfer of

4.6. GOLD MINING AMENDMENT ACT, 1873. The transfer of any real estate acquired under the provisions of the "Gold Min-ing Amendment Vet, 1873," shall be in writing, signed by the transferrer or his agent authorized in writing, and attested by a subscribing witness

### TUNNELS AND DRAINS

46. License To Make. Any free miner requiring to run of 46. Lie ENSE TO WAYE Amy Here induced requiring to fun or construct a tunned or drawn in connection with his schain through any overgood or unoccupied finds, whether numeral or not, shall which because shall be granted or withheld in the absolute discre-tion of such gold commusioner, and shall also give such seem to the gold commusioner for any damage that may be caused by such tunnel or dram as such gold commissioner may require. Such heeness shall be subject to such terms and conditions as the gold commissioner shall think fit, and shall be recorded in the record book

recurrences and the property of the A. A funnel or drain shall be considered as part of the placer claim of mine held as real estate, for which the same was constructed as Bratil 1970 W. W. Amy free minerina; apply to the gold commissioner for a grant of right of way and entry through and upon any mining ground in this district, for the purpose of constructing

and mining ground in instantic, for me purpose of construction a drain for public digmage of infines.

49. Fortive of Africa, viros. The application for every such grant shall be in writing, and shall set out the name of each applicant, the nature and extent of the proposed drain, the amount of

# THE MINING DIRECTORY—LAWS.

toll to be charged, the term of years for which such grant is to be made, and all other prevideges sought to be acquired. The appli-cation shall be left at the mining recorder's office addressed to the poil commissioner. A notice of such application, setting out the above particulars, shall be posted on the office of the mining re-corder and on the ground for thirty clear days before such grain shall be made.

shall be made. 50, Digresty of \$25.—The applicant for every such grant shall deposit with the mining recorder, at the time of the leaving of his application as aforesaid, \$25, which shall be refunded in case the application shall be refused.

deposit with the mining resorder, at the time of the beating of his application is afforced, 85, which shall be refunded in case the indication is shall be refused.

31, GRANTS or RIGHTO of WAY, Err., Such grants shall be in writing and signed by the gold commissioner, and shall not be given for a longer period than twenty years, and shall give such rights of way and entry and such powers to assess, keyy and enter this from all persons using such drain, or not an any case to exist the gold commissioner shall cannot be an any case to exist the gold commissioner shall cannot be an any case to exist the gold commissioner shall shall cannot be an any case to exist the gold commissioner shall be declared by the part of every grant, whether expressed therein or not out. That he shall construct a drain or drains of sufficient size to meet all requirements within a high working of the construction of the part of the grant of the gold commissioner and order and the gold commissioner and order all necessary after all others of the grant of the gold commissioner and order all necessary after all others of the grant of the gold commissioner and order all necessary after all others of the grants of the grant of the gold commissioner may order all necessary after all others of the grant of the grants of the grant of the grants of the grants of the grant of all or any part of the draining works, and to the grant of all or any part of the draining works, are subject, however, to the conditions of the grant of all or any part of the draining works, are granted to the grants of the grants of the grant of the grants o

#### WATER RIGHTS

54. Every tree inmer shall be entitled to the use of so much of

54. Every tree inner shall be outsiled to the use of so much of the water naturally lowing throughor past. Its places of an in, and not already lawfully appropriated, as shall, in the opinion of the gold commissioner, be necessary to the chief working thereof. The control of the gold commissioner of the discovery of the gold commissioner obtains grain to awater right in any minappropriated water, for any placer mining purpose, for any term for exceeding leny ears, upon such terms and conditions as such gold commissioner shall think fit.

56. How OUT MIND. Before applying for any such grain, the free miner shall.

(1.1 Post a notice in writhing on a legal nost mon-some consider.)

(1) Post a notice in writing on a legal post upon some conspicu-ous part of the ground on which such water is infended to be used, and a copy of such notice on the office of the initing recorder for and a copy of such notice on the other of the intring resorder for at least Warth days, which notice shall contain the tollowing par-ticulars. (a) The mane of each applicant, (b). The number of cacch applicant's tree miner's certificity, (c). The name, (c), it in named, a sufficient description of the stream, lake or other source from which such water is intended to be taken, (d). The point of diversion or intended ditch head, (c). The number of meles of vertex combined to (d). The normous tray which was resonanted at unversion or intermed uncornear,  $\beta(x)$  the number of memory water applied for  $\beta(x)$ . The purpose for which it is required,  $\beta(t)$ .

The date of the native, are purpose for which it is required, or 12. It more than three hundred inches are applied for a deposit shall be made with the gold commissioner of 8% to be reminded it the grant is not nade.

7. Recompose Grays, The grant of network results shall be recorded in the office of the mining recorder in the record of water grants, without the time limited for the recording of pineer chains and shall during each year of the continuince of the grant, and while it shall be in operation, by resteemided as in the case of a 58. Mes of the Recording of the chain.

58. Mes 1 B. Recordo b.

58, MUST Dr. RECORDED. No grant shall take effect until

recorded.

remided.

28. STILING WATER TO MINTES. Notice maker shall be entibled to a grant of the water of any stream for the purpose of
sching the water to claim-holders on any part of such stream.
The gold commissioner may however, trait such privileges as he
may deem unst, when such water is intended to work bench or
hill chains fronting on any such stream: provided, that the rights
of this intritations of Wyter. The provided, any water right
may be a such as the properties of the difficulty of supply is enhanced.

and shall not demand more from one fine difficulty of supply so that a state of the property of the difficulty of supply so that a state of the property of after the grant has been made, any there univer or tree immers of cate and bonn fide work any placer claim below the difficulty on any stream so diverted, he or they shall collectively be entitled to forty meltes of water of two limited inches by diverted, and sixty inches it three hundred inches be diverted, and no more.

except upon paying to the grantee compensation equal to the amount of damage sustained by the grantee on account of the di-version of such extra quantry of water, and, in computing such damage, the expense of the construction of the ditch shall be

considered.

22. PRIORITY or NOTICE, PRIORITY OF RIGHT, On any dispute between applicants for a grain prior to such grain being made, priority of notice shall constitute priority of right, it any.

63. DATE OF GRANT. A grain thily recorded shall speak from the date of the grant, and not from the date of the record.

64. REGHTS OF PERSONS USANCH FOR IMMERS AS SHALL, at the date of the priority of the date of the priority. In working on the stream above or below the date head, and of any persons lawning such water for any purpose whatsoever.

duch head, and of any persons fawilly using such water for any purpose whatsoriver.

6. GLANA of War persons fawilly using such water for any purpose whatsoriver.

6. GLANA of War in Christ App 1875 MM to CAMM. A grant of a water-right made in respect of any lacer claim, or place the mean man, and existe, shall be deemed appartenant to be a solid or the claim of mine shall have been worked out, abandoned or fortested, or whenever the occasion for the use of the water upon the claim of mine shall have been worked out, abandoned or fortested, or whenever the occasion for the use of the water upon the claim of mine shall have been worked out, abandoned or fortested, or whenever the occasion for the set of the war permanently crassed, the grant shall be at an end and determined.

6. WHEN WORK WEST BY COMMENTS IN. WHAT the typical man of the works in which he mediately and minimerrulently to complete the works in which he is deduction of the works in which he is deducted and minimerrulently to complete, or ways, that the gold commissioner may, in his discretion, allow such work to cease for any time of the several of the section, the grant shall be fortested of CHANG or PTAC to DISTRICT.

6. CHANG OF PTAC TO DISTRICT.

6. CHA

meaning to trange any stream, earning of one phase of all plants page, of to finine under or through any direkt of linine, or the early water through or over any head already occup. Lind such cases the written starting or the proposed starting of the water through or over the water racht, is to prevail, so as to entitle him to compensation in the same be use.

70. RELES FOR MEVSCREWENT OF WATER In measuring water in any direkt or since, the tollowing this shall be observed. The water laken into a direkt or since shall be independently on the strength of the water taken into a direkt or since except in a trongly placed hor zonially at the measured at a the direkt or since level in a trongly placed hor zonially at the form half the water enters if the only of the plants of the water enters if the only of the plants of the water enters if the only of the plants of the water enters if the only of the plants of the water enters if the only of the plants of the water enters if the only of the plants of the water enters if the only of the plants of the plan

saire of the ordine.

71. Notes to To Gr GIVEN TO OWNER. Whenever it shall be attended, in forming or uphodding any of the to enter upon and occupy any part of a place claim, or place time held as real estate, or other land, or to dig or loosen any earlier or look within twenty feel or any dieth thereon, three days motion or with the entering of such intentions shall be given to the owner of which disting entering a approaching within box of the owner of which disting entering the Grown of the owner of which disting the first owner of the owner of which is the construction of my tool in work many, with the sanction of the construction of my tool on work many, with the sanction of the old commissioner, cross, direct or otherwise interfere with any particular of other mining rights whatsoever, for such particular of other mining rights whatsoever, for such particular of other mining rights whatsoever, to such particular of other mining rights whatsoever, to such particular to GWATH OFTROACH FOR MYSTH WITHER. The owner of any dieth, thine or pipe shall, at his own expense, constituct, securic and mantam all cultiviets need say you the passage of washe and superfluous water flowing through or over any such dieth, thum or pipe.

enic and maintain all entwerts new stary for the passage of wastermal superfluors where flowing through or over any such disch, flume of pipe.

31. OWNER TO KELLE DITO IN KELLER. The owner of the proper and substantial mainter and sustain the same in good reporting statistical mainter and maintain the same in good reporting statistical trainers and maintain the same in good reporting statistical to our visual or work in its vacanty. However, we will of the works of such disch, flume or page.

35. OWNER LAMBET FOR DAWACE The owner of any detail, not as the gold commission disch, flume at page shall be habe and shad made good, a such main may be oversooned by or through any parts of the works of such maintainer as the gold commissioners shall determine all domage which may be oversooned by or through any parts of the works of such disch, flume or page breaking or being maje (for 7). WIACE IS THE LAM NOTEC, II an option induce to the party intended to be affected the observed to be discovered by the discover

#### MINING PARTNERSHIPS.

79. To WHAT CLASS THIS SHALL APPLA. All mining partnerships shall be governed by the provisions hereof, unless they shall have other and written articles of partnership.

80. To Br ANNA G. A mining partnership shall, unless otherwise agreed upon, be deemed to be a yearly partnership, renewable from year to year by facil consent.

81 Stories - The luminosis of such vertoes but shall be origined.

ble from year by grar by facil consent.

8. Scorp. The business of such partnership shall be mining, and such other matters is speriain solely thereto.

82. Richits OF. Mining partnerships can locate and record in the partnership name a placer claim for each partner who is a tree miner. Such partnership claims may be located and recorded as a set of claims, and each such claim shall be staked as an ordinary placer claim. One stake on each such claim shall be marked as an initial stake, by writing thereon the words "Initial Post." It shall not be requisited to post more than one location notice on each sich than one location notice on each sich than one location motice on each sich that merchants.

83. RECORD OF PARTNERSHIP CLAIMS. 83. RECORD OF UNITSERSHIP CLAIMS. A set of claims may be recorded in one record. The name of every partner, and the number of every partner's tree miner's certificate, shall be on the record of every such set of claims. The partnership name shall appear on every such record, and all claims so taken up shall be

appear on every such record, and all claims so taken up shall be the property of the partnership.

3d. RIGHTS OF EVEN PARTNER TO VOTE. "A partner in any mining partnership, or his agent authorized in writing, shall, at any meeting thereot, be entitled to vote upon any interest or fraction of an interest which he may hold therein; but the result of the votes given shall be determined by the number of the full interests voted upon, and not by the number of partners.

the full interests voted upon, and not by the minder of partners-voting at such meeting.

83. MATTERS DRETHER BY VOTE OF PARTNERS.—A majority of such votes may decide when, how long and in what manner to to be employed, which number shall not be less than one man to be employed, which number shall not be less than one man to each claim, and the extent and manner of leving the assess-ments to defray the expenses incurred by the partnership. Such majority may also choose a foreman or manager, who shall rep-resent the partnership and she and be sued in the mane of the partnership for assessments and otherwise; and he shall have power to built them by his contracts. Every partner, or his diffy the martnership romers, by work and labor, so long as such work authorized agent, shall be entitled to represent his interest in the partnership property by work and labor, so long assuch work and labor be satisfactory to the foreman or manager. In the event of such partner or agent being discharged by the foreman or manager, the court having purishetion in mining disputes may, if requested, stimmon the foreman or manager before it, and upon bearing the facts make such order as it shall deem just, five days after being made. St. Salle of Partnership Property To Pay Assess-MENIS.—May partner making default in payment, after receiving

St. ASSESSMENTS. All assessments shall be payane warm five days after being made.

St. SALE OF PARTMERSHIP PROPERTY TO PAY ASSESSMENTS.—Any partner making default in payment, after receiving a notice speedying the amount due by him, shall, if such amount be correct, be personally liable therefor to the partnership, and its interest in the partnership property may be sold by the partnership to the department of the debt, and any artherist is sometiment of the partnership of the state of the stat

88. EFFECT OF NOTICE OF ARANDONMENT. After a notice of abandonment, in writing, shall have been served on the foreof abandonment, in writing shall have been served on the forman or manger of a partnership by any member thereof, and duly recorded, such member shall not be hable for any debts or other habidities of the partnership neutred after service and record of such notice, and no member shall be deemed to have abandoned an interest until service and record of such notice, set. INTEREST WHEN SOLD CONTINES LAMBLE. Any partnershall be entitled to sell, or contract for the sale of, his interest in the partnership property, but such interest shall continue hable of the partnership property, but such interest shall continue hable [20]. PARTNERS REFLECTORY SOLD RESIDE HAMBLE AND RESIDENCE OF PARTNERSHIP. We partner shall, after a bill of sale conveying his interest has been recorded, be liable for any indebtedness of the partnership membered thereafter.

#### LEMUSTED LEAGUETTY.

91. Any mining partnership, composed of two or more free names, and being free from all debts in respect of the partner-ship property, any limit the lability of its members, upon com-sisting the partnership of the partnership of the partnership of the partnership the boston and size of every part-nership claim, and the partnership the boston and size of every part-nership claim, and the partnership the boston and size of every part-nership claim, and the partnership developments partnership, and the also placing upon a conspicuous part of every such claim, or set of claims, in large beliefs, the name of the partnership, followed by the words "Limited Lability"

92. "LIMITED LIMBLITY" TO BE ADDED TO NAME. The words "Limited Liability" shall thereupon become part of the partnership name

93. EFFECT OF SAME.—After such conditions shall have been compiled with, no member of such partnership shall be hable for any indebtedness incurred thereafter, beyond an amount propor-

any indexeques, neutred the partnership, to the distribution of the interest in the partnership, the partnership is the control of its assets and liabilities, together with the names of the partners, and the interest held by each, and shall make out a monthly balance sheet showing the names of the creditors, and the partnership and the the same among the papers of the partnership; and such balance sheet and all the books of the partnership; and such balance sheet and all the books of the partnership; and such balance sheet hospection of creditors at all surfnerships and such balance sheet hospection of creditors at all

the partnership; and such busines sheet and an the mooks or congrathership; shall be open to the inspection of creditors at all reasonable hours.

5. PARTNER MAY SELL HIS INTEREST.—Every partner in such partnership shall be at liberty to sell or dispose of his interest therein, or of any part thereof, to any other free miner; but such partner shall be hable for the indebtedness on the such partner shall be hable for the indebtedness of the partnership of the partnership is a served a notice of abandonment of his interest on the foreman, and left a copy thereof with the mining recorder, shall be hable for any indebtedness of the partnership mentred thereafter.

57. DIVIDEND. No such partnership shall declare any dividend until all its habilities have been paid.

58. Fortestaxy. Every such partnership shall appoint a foreman or manager, who shall represent the partnership; and who shall send to be such or the partnership; and be seen in the name of the partnership shall be deemed to be the contracts of the partnership. Shall be deemed to be the contracts of the partnership shall be deemed to be the contracts of the partnership shall be deemed to be the contracts of the partnership shall be liable for any other indebtedness than that contracted by its foreman or manager, or by its agent duly authorized in writing.

#### BED-ROCK FLUMES.

100. Application for Right of WAY.—One or more free miners may apply to the gold commissioner for a grant of exchi-sive rights of way through and entry upon any mining ground in his district, for the purpose of constructing, laying and maintaina bed-rock flume.

a bed-rock filme.

10. How Applie VITON 18 MADE.—Every such application shall be in writing, and shall be left at the mining recorder? solice, addressed to the gold commissioner, and shall state the name of the applicant and the nature and extent of the privileges sought to be acquired. Thirty days notice of such application shall be given, by affixing the same to some considenous part of the ground through which the rights of way are asked, and a copy thereof upon the walls of the court-house or of the office of the mining recorder of the district. Pror to such application, such ground shall be marked out by legal posts, placed att intervals of one hundred and lifty feet along the proposed main into or course ground shall be marked out by legal posts, placed at intervals of one hundred and fifty feet along the proposed main line or course of the fitner, with a notice of such application attived to one of the fitner, with a notice of such application attived to one of the such control of the such control of the such control of the test before the gold commissioner within such thirty days against such application being granted, but not afterward. Every a plication for a grant shall be accompanied by a deposit of \$125, to be left with the uning recorder, which shall be refunded if the application be refused, but not otherwise.

102. Trixt. Every such grant shall be in writing, slaned by the gold commissioner, and shall be for a term not exceeding five

ing. Term. Every such grant shall be in writing, signed by the gold commissioner, and shall be for a term not eveceding five years.

103. Ruan'rs of Granter. The grantee shall be entitled to the following rights and privileges, that is to say. (a). The right of way through and entry upon any new and unworked river, a step of ground one hundred teet wide and two hundred teet long in the bod thereot to each grantee anned in such grant, (b). The right of way through and entry upon any river, creek, giden tracking on worked by miners for any period longer than two years prior to such entry, and already wholly or partially abandoned, and the evelusive right to stake out and work both the unworked and abandoned portions thereof, one hundred teet in width and one-quarter made in length, for each grantee named in such grant.

The made is evered within two years next preceding the date of his policies of the property of the such as the property of the such as a such case, and already and provided any free uniner is legally holding and bona fide working a claim of way through and entry upon all placer claims which are at the first of way through and entry upon all placer claims which are at the first of the property of t

finne is to run may put in a bed-rock finne in his claim to con-

finne is for run may put in a bed-rock finne in his claim to conmert with the granitee's finne, upon giving the granitee ten days
and reflect but he shall maintain the Bet and the shall maintain the Bet and build his finne as thoroughly and of as strong mansits, as are used by such granitee.

16. Di 11Fs or Styll CLAYA change had been structured by the structure of the granitee, and such change of the structure of the granitee in the structure of the granitee, and such change of the structure of the granitee, and such days of the structure of the granitee, and such days of the structure of the granitee, and the structure of the granitee of the granitee, and the structure of the granitee of the granitee, and the structure of the granitee of the granitee, and the structure of the granitee of the granitee, and the structure of the granitee of the granitee. The structure of the granitee of

that which he shall code to the grantee, or be may abandon his claim and flume, and such abandonment shall emme to the use and benefit of the grantee. By Doxy, The grantee shall lay at least one hands of feet if them during the lirest year of such grant, and three but does not find annually the resist year of such grant, and three but for annually the recruiter, intil completion of the most of the annually the recruiter, and the completion of the most of the gold commission of the gold commission.

The U.S. CLAIM HOLDER MAY WAKE or A FELME. Any free miner lawfully working any chain whereast body rock than exists shall be certified to tad his single streamles and ground shallow for the state of the discretion of the gold commissioner.

The state of the state of the state of the state of the discretion of the gold commissioner.

exceeding tive years for anyone extension of the discrete the gold commissioner. III. ForkPITER of GRANT. Any grant of a bed-rock thing shall be forteited whenever the grantee shall fail to comply with the conditions thereof, or of this act

#### LEASES

112. How OBTAINED A tree miner desiring to obtain a bease of any placer mining ground shall mark out such ground by placing a bead post at each corner, and shall post, a notice on the post memors to the placer minimum shall mark out such a source of the placer minimum shall post, a notice on the post memors to the placer minimum shall be so when the object of the mining recorder, which notice shall post on the office of the mining recorder, which notice shall not at 1. The minimum of acid applicant, 2. The form for which such is case is to be applied in 3. The proposal of the ground and posting the notices as atoresance shall make an application in within addressed to the ground, shall make an application in within addressed to the ground mass-oner, and personal shall set out. The name of the proposal policy and the ground, 4. The quantity of the proposal shall post the ground of the post of the ground, 2. The notice of the minimal policy of the post of the policy of

lesser.

El. CONTENAS OF LEAST. Every lease shall provide for securing to the public reasonable (right) sor way and water, and shall contain a covenint by the lesser muce the ground in a mile like manner, and shall contain a shall contain a sort may be a sort of the continuous working of shell be contained in the place contained working of shell be also as the place of the miles to the continuous reasonable and hall reserve the right to free mines to content on such ground and mine tor vents or lodge, as defined by the "Mineral Set, 1891".

122. FORFFITHEOLLAWS. On the non-performance or monosterization of any covenant or condition in any lease, such bears shall be declared any covenant or condition in any lease, such bears shall be declared in the ground method in such bears shall there are the control of the properties of the properi

the owner thereof WALER GRANTS. Every grant, and every 125, Records of WALER GRANTS. Every grant, and every returnion of a grant, or a water right for bench lands leaved ny hydradile working shall be recorded in the "Record of Water fixalls," but it shall not be necessary to resecond such grants or touris,"

126, GRANT OF LEASE OF BEID OF RIVER. It shall be law 135. Grave of Liver of Ren of Reven Residules in mill to the gold commissioner, with the sanction of the hentenant-governor meaning), to grant a losse, paging betti not exceeding twenty years, of the hed of statice and per many term not exceeding the superposes, soft he had of anime not exceeding to it makes, upon such terms superposes, soft hinds at provided, aways, that even such terms and the reserve the right to every tree mine, and a rathus when the superpose and provided and the other such tree inner shall locate before or after the date of such base.

### MINING RECORDERS

125 Appear(1918)). The hentenant governor in council may part appoint any person to be a mining recorder in and tot any part

appoint any person to be a mining recorder in and tor any part of the proximes.

128. APPOANMENT BY MYLES. Where inmental binds of its exceed in a part of the proximer was made that the proximous structure of the proximer and records of imministration of the proximer and recorder in many property annot be unity appear or emore and recorder in the proximous of the proximer and provides an analysis of the proximer and provides an analysis of the proximer and provides and provides and provides and provides and provides and property and such carriers and provides and property and such carriers and provides that all records which the this cannot be such as a practical such as a property of the provides and the provides and provides and provides and provides and provides and provides and and a first of all tree mines's carrierates before an approximate the provides and companies carrierables and satisfactured carrierables and provides and companies carrierables and satisfactured of the mining records:

10. Provides and control of Part Provides and a substituted of the mining records:

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Lit Books To Bi Kret. Every mining recorder shall keep

of the mining recorder

131 Leones To Br Kyrrt Tyery mining recorder shall keep
the following books, to be used too placer mining entries or A
book to be known as the "Leoned Books," A book to be
known as the "Record of Abrahams," A book to be
known as the "Record of Abrahams," A book to be
known as the "Record of Abrahams," A book to be known
as the "Record of Conveyances," Book to be known as
the "Record of Conveyances," A book to be known as
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to of or on which of a law tree miner, and upon the record of
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the sact, the mining recorder shall property and place to see the
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record book, which entry the sact of the particular population of the second and the has been as convenient, in the
record book, which entry the sact of the particular population of the second of the particu

granted and forteiture declared by the gold commissioner, in the record book.

- 134. OF WATER GRANT. The mining recorder shall record all water grants and extensions thereof in the record of water grants.
- 15. OF ATAMOSMENT. Upon the recent of a notice of abandoment, the maning recorder shall record the same in the the record of the claim affected by such notice, in the record book, the word "Abandomed," and the date of the receipt by him of the notice. If only an interest me placer claim is abandomed, and not the entire claim, the memorandum in the record shall show which interest is abandomed.
- 136. OF AFFIDAVITS. The mining recorder shall record, by copying out verbatim, all adidavits and declaratory statements brought to him in connection with his othec, in the record of
- 137. OF DOCUMENTS OF TITLE. The mining recorder shall re-145. Or Doct MENTs or TITLL. The mining recorder shall re-ord, by copying out verbatin, in the record of conveyances, all conveyances, mortgages, bills of safe, contracts for safe and other documents of title, including lowers of attorney or other authorities to execute all or any of the above description of docu-ments, when brought to him for that purpose.
- 138. OF OTHER Doct MRNIS. The infining recorder shall record all other documents relating to mining property which may be brought to him for record, and shall file all such documents which may be brought to limit to be filed.
- 139. EXTRY To SHOW DATE. Every entry made in any of the mining recorder's books shall show the date on which such entry
- 140. BOOKS OPEN FOR INSPECTION. All books of record shall, during office hours, be open to public inspection free of charge, and documents filed shall be open to public inspection upon payment of the tees set out in the schedule of this act.
- 44. OFFICE COLES EXIDENCE. Every copy of or extract from any entry in any of the said books, or of any document filed in the intuning recorder's office, certified to be a true copy or extract by the mining recorder, shall be received in any court as evidence of the matters therein contained.
- 42. FFPS To B URFPAID, Before issuing any free miner's certificate, or substituted certificate, or making any entry (Fam) book or record, or fining any document, or making any eopy or extract therefrom, the mining recorder shall collect the fees payable in respect thereof, as set out in the schedule to this act.
- 43. RECORDER TO RECEIVE DOCUMENT.—The mining recorder—shall receive all applications and other documents addressed to or intended for the gold commissioner, and torward the same to the gold commissioner.
- 14. To Ris FIVE MOSEA. The mining recorder shall receive all deposits of money directed to be made by this act, and apply the same as directed by this act.
- 145. To COLLECT REST. The mining recorder shall collect all rents collectible under the conditions of any lease or other documents granted under the provisions of this act.
- ments granted under the provisions of this act.

  16. DISPOSITION OF MONYAS COLLECTED. The mining recorder shall torward to the provincial treasury aff fees, rents,
  fines, penalties and other moneys collected or obtained by limi in
  accordance with the provisions of this act.

  15. Disconners SO pere. It is hall be lawful for the hentenantgovernor in connect to divide and subdivide any district into
  mining divisions, and to establish in each or either mining division a mining recorder's office.
- 148. ELLECT OF ESTABLISHING RECORD OFFICE. (48, L) FeT OT LSAMMASHINS, GFFORD OFFICE, 2 DOI THE establishment of a numing division, and the operating of a mining recorder's office therein, under the authority of the last preceding section (a., 8 such office, and none other, shall be the proper office for recording all placer claims, records, certificates, does ments of other instruments affecting claims, placer mines held as office for recording all placer claims, records, certificates, documents or other instruments affecting claims, placer mines held as real estate, or placer mining property state within such mining a division, and shenever, by this act or sing at amending the same, alreston and states of the same affects of concerns any claim, placer mining held as real estate, or placer mining property situate within a mining division, be done at or in the other of the mining recorder of the mining division wherein such claim or mine or other mining division wherein such claim of mine or other mining property is stante, who is a finite or other mining division wherein such claim of mine or other mining it is shall be the duty of such mining recorder to make, or cause to be made, a transcript of all the entres in all the books mentioned in Section 1st of this act, affecting claims, placer mines held as real estate or placer mining property, situate in each newly erected mining division, and to forward the same to the mining exercise of such mining division, and such transcripts of such treouds, certificates, documents or other instruments shall print areas be deemed to be true copies of the section set mining property, situate in each newly erected mining division, and as such transcripts of such treouds, certificates, documents or other instruments of the property of such the second of the true copies of the section of the transcripts, and such transcripts or copies thereof, when certificates, documents, or other instruments of which they upport to be transcript, and such transcript or copies thereof, when certified by the mining become of the adminishbe in chilence in all counts of puller three they are kept, shall be adminishbe in chilence in all counts of puller three three places.
- exocine in an conits of padreature in the province.

  (49) Got po comprision in To HAVE ALL Powher of Wining Riscord R. When there shall be no mining recorder for a distinct or dission, the duties of the mining recorder shall devolve upon the gold commissioner, and it shall at all times be trivial too the gold commissioner to perform the duties of the mining recorder, and the gold commissioner is before the distinct of the number of a mining recorder.

150. OFFICE HOURS.—The mining recorder's office shall be open upon all days excepting public holidays, from 10 A. M. to 4 P. and such times shall be deemed the office hours of such office.

#### COLD COMMISSIONER

- 45). Powers.—It shall be lawful for the gold commissioner to extorm the following acts in accordance with the provisions of this act
- -(a.) He may lay over any or all claims, and may grant to any holder of a claim leave of absence for such period and reasons as he may think proper.
- (b.) He may prescribe the number of miners who shall be required to work in prospecting a set of claims until gold in paying quantities is found.
- (c.) For the more convenient working of back claims on benches (c) For the more convenient working of back claims on benches or slopes, the gold commissioner may permit the owners thereof to drave a timined through the claims fronting on any creek, ravine or water-course, upontsuch terms as shall seem expedient; provided that in tunneling under bills, on the frontage of which angles occur, or which may be of an oblong or elliptical form, no party shall be allowed to tunnel from any of the said angles, nor from either end of such bills, so as to inferiere with parties tun-lements. neling from the main frontage.
- (d, 1) He may mark out a space of ground for deposits of leavings and deads from any tunnel, claim or mining ground, upon such terms as he may think just.
- $(e, \cdot)$  He may extend the limits of a claim in "bench diggings" beyond the limits of the bench, but not to exceed one hundred feet square.
- (t.) He may, in cases of disputed boundaries or measurements, employ a surveyor to mark and define the same, and cause the reasonable expense thereof to be paid by either or both of the parties interested therein.
- (g.) He may permit or order mining posts to be moved.
- (g). He may permit or order initing posts to be moved.
  (h) He may summarily order any mining works to be so carried on as not to intertier with or endanger the satety of the public, any public work or highway, or any mining property, mineral claim, placer claim, bed-tock frain or bed-rock flume; and any abandoned works may by his order be either filled up or guarded to his satisfaction, at the cost of the party who may have constructed the same, or, in his absence, upon such terms as he shall
- (i.) He may, upon application made to him, allow a tree miner such right of entry upon any adjacent claim as may be necessary for the working of his claim, and upon such terms as may to him seem reasonable
- (i.) He may grant licenses and rights of way for the purpose of constructing drains or tunnels, and may exercise as are specified in Part III of this act.
- (h.) He may grant water-rights, and renew the same, and de-clare the same forfeited, and grant all such privileges and exer-erse such powers as are specified in Part IV of this act.
- (l.) He may grant rights of way for the purpose of constructing a hod-rock flume, and may extend the grant at its expiration, in accordance with Part VI of this act.
- (m) He may grant leases of placer mining ground, and of unappropriated water to work the same, and may grant renewals of such leases, and grant such privileges and evereise all such powers as are specified in Part VII of this act.
- powers as are specified in Part VII of this act.

  122, "Goild MINING AMESIMENT ACT, 1873." Notwithstanding anything contained in the "Gold Mining Amendment Act, 1873," or in any crown grant is sned under the said act, or under this or any other act, it shall be leavill for the gold commissioner, in his discretion, and with or without any terms or conditions, to allow to the owners of placer claims all such rights or privileges in and over mineral or other claims held as real estate as may be allowed in and over claims held as real estate shall be entitled to the same rights and privileges as owners of claims not so held. leges as owners of claims not so held.
- 6.63 on some processing some some shall have power to do all things necessary or expedient for the carrying out of the provisions of this act.

#### ADMINISTRATION

- 154. DECENSED MINER'S PROPERTY: The gold commissioner shall take possession of the mining property of any deceased free moor, and may cause such mining property to be duly worked, or dispense therewith at his option.
- or dispense therewith at his option.

  15. FSTATEOR ALSS TIANA SMO. The gold commissioner, or any person authorized by him, shall take charge of all the property of any deceased free miner until the issue of betters or administration or probate of the will, if any provided, however, that where any tree miner shall the intestate, and the value of its shall not be mees-sary for the gold commissioner to obtain from any court letters or administration, but in such case the gold commissioner may administration, but in such case the gold commissioner may administration, but in such case the gold commissioner and wind up the personal estate of the deceased, and do all things necessary and proper thereor, and act in all respects as it letters of administration to the personal estate of such deceased free miner had been granted to such gold commissioner, and the gold commissioner, and the gold commissioner, and the gold county court of the district.

  COUNTY COUNTS.

#### COUNTY COURTS

AURISDICTION, PROCEDURE, FORMS AND COSTS See Sections 149 to 164 of mining act, preceding,

#### MANITOBA

Compiled by Hot GH & CAMPBELL, Barristers, etc. Office, McIntyre Block, Winnipeg, Man.

#### CORPORATIONS.

All companies, except

LETTERS PYTENT OF INCORPORATION. All companies, except railway and insurance companies, are created either by special act of parliament or by letters pattent issued under the provisions of the "Manifolia Joint Stock Companies Act" by the incureant-procedure in cumed. I these special powers are required, the latter course is always able to the seal powers are required, the latter course is always able to one month's previous motion of apply for the one in the seal give one month's previous notice in apply for the same, staring therein, first, the proceed nation of the company, which shall not be that of any other known company; second, the object for which meorporation is sought, third, the place within the province where its operations are to be carried on, fourth, the capital stock, lifth, the number of shares and the amount of each share, sixth, the mane in this and address and calling of each of the applicants, with mention of the names of moless characteristic and the amount of the start directors of the company of their number, who are to perform of not less than two persons of the companies of the same of the same of the same of the companies of the companies of the same of the sam

in their number, Mo are to be the first directors of the company, The application is made by petition of not less than two persons, stating the facts required to be set forth in the nodec, and must further state the amount of stock taken by each of the applicants, and also the amount, it any, paid in upon the stock of each applicant, and whether in each or transfer of property or otherwise. From the date of the betters patient the persons of the each applicant, and whether in each or transfer of property or otherwise. From the date of the betters patient the present politic by the number of the processors shall be added to the powers thereon mentioned and their successors shall easily and the powers thereon mentioned the manner of the processor of the said act.

COMMENIAN BESINES. The company must go into operation within three years after the charter is grant ed, and in the event of non-user during three years at any one time the charter is torfeited. An company shall commence business until affects the precision of the stocks of several control of several control of the stocks of several control of seve

Directors shall not declare a dividend when a company is insol interiors shall not declare a dividend when a company is used went or which renders the company insolvent or reduces the capital stock, and they shall be jointly and severally hable to the wages of all servants, laborers and appendices, event-ing the others, of the company, not exceeding one year, for services performed for the company while they are directors respectively.

The capital stock of the company shall not respectively.

CAPITAL Stock. The capital stock of the company shall not exceed five buildred thousand dollars. Sameon: When the whole of the stock has been subscribed.

Sameon: When the whole of the stock has been subscribed in the part of the paid in but to expect the stock in the paid in th

holders.
CALS. The directors may call in all subsertions stock in such manner as the letters patent or by laws of the company may require or alther the patent or by laws of the company may require or although the payment. Not less than ten per cent, shall be payable within one year ten in meroperation. The cent, shall be payable within one year ten in meroperation. The cent, shall be payable within one year ten in meroperation. The cent, shall be payable within one year ten in meroperation. The competition of the directors may summarily torted any shares for non-payment, and the same shall thereupon become the property of the compounts. Startes shall not be transferable until all uniqual calls are tally paid, or until declated tortested, and no share

holder in default for non-payment of calls shall be entitled to

women in normal not non-payment of cars shall be entitled to vote at any meeting of the company.

TRANSFERS.—Books mist be kell wherein are entered all transfers of stock as presented to the company, with the date and other particulars as such book of any transfer of stock wherein any call has been made which two no boson control rick wherein any call has been made which two no boson control.

allow the entry in such book of any transfer of stock whereon any call has been made which has not been paid on the comparing the contracts. All contracts, agreements, engagements of bargains made and every hill of exclaiming or promissory not drawn, accepted or indersed on behalf of the company's both agent, officer or servant in accordance of the contract of the conjuny of order oses startly be banding upon the company, and in no crase shall it be necessary to affix the

the by-haws of the company, or otherwise, shall be more sarry to affix the sent of the company, and in no crase shall it be necessary to affix the sent of the company.

Powpers to Horizon (E.Y. Estaty), Etc. Every company may, subject to any limitations contained in the betters partent, acquire, horizon of the undertaking and may take and hold such lands and tenements, real and personal property as may have been mortgaged or conveyed to it by way of security, and may return the same for a period not exceeding ten years.

Borriowith, Powerles, In case a by law authorizing same is smettoned by a rote of not less than two thresh in vite of the starcholders at a general or special general meeting in the order of the company, and may self the same at such praces as may be deemed expedient or necessary. No debendures no other the best of the schan one hundred dollars state. The directors may in a similar manner hypotherate, mortgage or pledge the real operation property of the company to secure any sums barrowed for the purposes thereof.

NAM ATSALEMENTS. Every company skull orior before the lat day of February in each year make a duplicate let show the states of the content of a first market of skures bed in the content of the number of skures here a latent content of the manner of skures of the state of the content of the manner of skures held to be combert preceding, with the number of skures held to be come of the directors, secretary and

each. The names and addresses of the directors, secretary and

The name of the company
The amount of the capital stock and the number of shares

into which it is divided.

The number of shares subscribed for and taken

The number of shares subscribed for and taken The amount of stack issued free of cell, if any The amount of stack issued subject to call The amount of calls made on each share The total amount of calls received The total amount of calls unjoint The total amount of shares whether the cover been alloted I be total amount of shares which have never been alloted I be total amount of shares which have never been alloted.

or faken (9).

2. The total amount for which shareholders are hable in respect of injund stock respectively. The said fish must be centred by the oath of the president and secretary, and one copy posted up in the company's beginning in Manifolds and the other deposited in the department of agriculture and munigration

#### 1.11.55

TAYEN person furnishing materials to be used in the construction, alteration of repair of any building or effection, of effecting,
formishing of placing unachinery of any kind, in, upon of it
connection with any building, effection or many, still there is the formed being a substitution of the presence of the presence of the interest places and the properties of the presence of the presence of materials upon such building. The energial properties of the occupied thereby a sum than twenty dollars 8.29.

The bear shall be handed to the estate or interest in such lands, landings or effections of the person at whose instance of request such machinery or material were provided.

If the heir is claimed by sile contractor the amount shall be lainted to the amount payable to the contractor by the owner. If GISTRATION. No hen shall exist, unless and until a star-ment of the claim is registered in the "dual these obsections the district in which the lands affected are situated, and see for the district in which the lands affected are situated, and within thirty days after its completion. The said statement of claim shall state.

thuty days atter use completion. The said statement of claim
1. Name and residence of the claimant and of the reputidowner of the property to be charged and of the person rot
when the materials or machinery were provided and the
1. The materials of machinery were provided and the
2. The materials of the statement of the transfer
3. The materials of the statement of the statement of the statement of the land to be claimed
4. The description of the hard to be claimed
5. The statement must be verified by an athlasia of the person
outfield to high of no of them, if there are more than one.
The person entitled to such hen shall upon the think of the
trainer thereof the demondary predictive representation therefore the demondary predictive right of the person
of the training of the statement of the

court may then make sale of the estate in such manner in each case as it may think proper, and may also direct the sale of the materials of machinery, and authorize the removal thereof although fixtures

It the land charged be incumbered, existing or created before the placing of the machinery or materials, such mortgage shall not have priority over the hen to any greater extent than the actual value of such land at the time the improvements were commenced.

actual value of such land at the time the improvements were commenced.

In cases, where there are several lien-holders against the same property and the proceeds of the safe are insufficient to safisty all in full, and proceeds shall be distributed among their rati-bly and pair passu.

Lies where the state of the same statute known as "The Lies was the provides as tollows;
"On, from and after the twenty-seventh day of duly, in the year one thousand cight hundred and eighty-say, receipt notes, here receipts and orders for chattels given by balless of chattles, where the condition of the bulment is such that the possession of the chattel shall pass without any ownership therein being acquired by the balles, were and shall be only valid in the case of manufacturel goods or chattels, which, at the time the bal-ment is entered into, have the manufacturers name or some or otherwise plantly attached thereon; and no such ballment shall be valid unless it be extracted in writing, signed by the per-son thus taking possession of the chattel."

"Every manufacturer and his agents shall forthwith, on appli-cation, turnsh to any applicant full information respecting the ladance due on any such manufactured goods or chattels, and the terms of payment of such balance, and in case he or they recurses or refuse, neglects or neglect to furnish the information of cless than ten folding, (800 or negrection) that the terms of a payment of such before any justice of the peace."

conviction before any justice of the peace.

#### MINING

EXPLOINTION. Any person may explore vacant dominion has within the province of Manutoka not appropriated or therein, either by surface or subterfamean prospecting, for min-eral deposits (with the exception of cond) with a view to obtain ing a mining location for the same, but no mining location or claim shall be granted until actual discovery has been made of the yein, bole or deposit or minical or metal within the limits of

the location or claim.

TITLE, The absolute title to all the vacant and unsurveyed lands in Maintobia and the northwest territories of canada at the time of the transier (1870) vested in the crown represented by the gayeriment of the 1800 vested in the crown represented by the gayeriment of the bominon of Canada, and all mining rights and locations in the province of Maintobia are regulated and controlled by the department of the interior at Ottawa and by an officer known as the superintendent of mines, resident at Calcary. W. F. Faltents of limbs may or may not cover the distribution of the practice at the present time is to make all crown grants absolute and unconditional, and to cover both surface and mineral rights.

QUARTZ MINING. A location of mining, except for tron, on cursi, Johes or legies o quarty shall not except fiften hunches. the location or claim.

TITLE. The absolute little to all the vacant and unsurveyed

QUARTZ MISTSG. A location of infilling except for iron, on veins, lodes or ledges of quartz shall not exceed fifteen him dred feet in length and six hundred teet in breath. Any person having discovered a mineral deposit may obtain a mining loca-tion therefor in the following manner Any person

 He shall mark the location on the ground by placing four wooden posts, one at each corner, driven at least eighteen inches wooden posts one at each corner, driven at least eighteen inclusing to the ground, or bottle or supported by a mound or carm of stones, at least three feet in diameter at its base and eighteen inches high and showing that length above it. On the northeast angle post he shall mark legibly, with a cutting instrument or with colored chalk, his mane in tall, the date, and the fetters M. I. No. 2, and his mutaks on the southwest angle post the betters M. L. No. 3, and his mutaks and on the northwest angle post the letters M. L. No. 4, and his mitaks, and on the northwest angle post the letters M. L. No. 4, and she mitaks, and on the southwest angle post the letters M. L. No. 4, and within sixty days thereafter file with the agent for dominon lands of the district within which the location is studied a declaration under oath, which may be taken before all days as a standard a declaration under oath, which may be taken before all days as a support of the continuous and shall with such declaration pay the agent the entry fee of five dollars (85).

five dollars (\$5)

3. The agent shall grant a recent to such claimant, which shall authorize June of 183, representatives or assignors to enter into passession of the location and subject to its renewal from year to year during the term of five years, to take therefrom and dis-pase of any mineral deposit, provided that during each of the five years after the date of such receipt, he expends at least the sum of one lumined dollars (store in actual mining operations on

the elatio

The elaimant may at any time before the expiration of the two years purchase the location at the rate of tive dollars. (So, per juried cash) after filing with the agent proof that he has expended not less than five hundred dollars, (Som) in action dimining operations on the same. On making the application to purchase he shall deposit with the agent ditty dollars (Sa) for the survey of skill deposit with the agent ditty dollars (Sa) for the survey of severageneral or the plans and field motes, and his approval theoret, a patent shall issue to the channal. Prorally of discovery shall not in all cases give the right to acquire if the original discoverer has failed to comply with the government regulations, but the first discovery shall in all cases be entitled if he can prove possession by demarcation in the matter prescribed, on the same lode or vein.

\*\*ASSICAMENTS\*\*\*. An assignment of the right to purchase a mining location shall be indorsed upon the back of the receipt or The claimant may at any time before the expiration of the five

certificate of assignment and the execution thereof attested by two disinterested witnesses. Upon the deposit of such receipt or certificate with the agent, accumpanied by a fee of two dollars (82) the agent shall give to the assignee a certificate which shall cuttle the assignee to all the rights and privileges of the original discoverer in respect of the claim assigned. Atlassignments must be unconditional and executed strictly in accordance with the

regulations.

PLACER MINING. The size of the claim shall be as follows:

1. For "bar diggings" a strp of land one hundred feet wide at high water mark and thence extending into the river to its

high water mark and thence extending into the river to as lowest water level.

2. For "ergy diggings" for feet square.

2. For "ergy diggings" for feet superselved in the 2. For "ergy shade of the first of the feet square in the 3. For "ergy shade of the full of bench on each side, but when the hills or benches are less than one hundred feet apart the claim shall be one hundred feet square.

4. For "bench claims" one hundred feet square.

5. Every claim on the tace of any hill and fronting on any natural stream or rawine shall have a frontage of no feet of the neutry as possible in the manner preservine of the party unimal possible in the manner preserved for quarty

mining occitions. If any persons discover a new mine and such dis-covery shall be established to the satisfaction of the agent, claims of the following size in dry, bar, bench, creek or full diggings shall be allowed:

To one discoverer, three hundred feet in length; to a party of two, six hundred feet in length; to a party of three, eight him-dred feet in length, to a party of lone, one thousand feet in length, and, to each member of a party beyond four in number a claim

dred feet in learth, to a party of four, one thousand feet in learth, and to care in member of a party beyond four in number a claim of the ordinary size.

Applications for grants of placer minings, renewals and assignments are in all respects the same as in quartz mining, and the regulations relation squared mining and where application one maining claim in the same locality, but he may hold any number of claims by parchase.

ARAMOMENT, ETC,—A claim shall be deemed abandomed when the same shall have remained unworked on working days by the grantee thereof for seventy-two hours, unless good cause be shown or miness the grantee the sless of units, and shall be defined in each district shall declare the close senson, and each holder of a mining location or a grant for placer diggings shall be entitled to grant leave of absence pending the settlement of disputes, or where there is insufficiency of water, the superintendent of mines may also grant leave of absence pending the settlement of disputes, or where there is insufficiency of water, the superintendent of mines may also grant leave of absence for one year upon satisfactory proof that the miner has expended at least two hundred dollars (2003) on his diagings without any return of gold or other miner all shapines in regard to mining property, subject to an appeal by either of the parties to the commissioner of lands at Northern and processor, and commissioner of lands at Northern and processor is proceeding the commissioner of lands at Northern and processor is proceeding the commissioner of lands at Northern and processor is proceeding the commissioner of lands at Northern and processor is proceeding the commissioner of lands at Northern and commissioner of lan

wampers.

No forms of procedure are necessary, but the complaint must be reduced to writing and a copy served on the opposite party not less than seven days before the hearing. The complaint may be amended at any time by leave of the superintendent of

mines.

A bond tee of twenty dollars (\$20 shall be deposited by the complainant at the time of tiling his complaint, which shall be returned to him it he succeeds, but not otherwise.

If the decision of the superintendent of mines is appeared round a other to that effect must be drawn up stating the grounds more than three days after his decision is communicated to the parties interested, and a bond fee of twenty dollars (\$20 deposited with the agent at the same time, which will be returned to the applicant if successful, but not otherwise.

Into Locarious The minister of the interior may grant a location tor the nature of from an extent of the matter and souther and south and cast and west lines, and its breadth and south and east and west lines, and its breadth and length shall be eight.

shalf be equal.

and softer and rest and west lines, and as organization and origin.

The regulations relating to quartz mining shall in all cases,
The regulations relating to possible to the continuous of the CoAL LANDS. Lambs containing authracitic coal may be soid
at twenty dollars \$250 per acre, and coal other than antifuracity at
ten dollars \$300 per acre cash, or they may be soil at public
competition, if the minister of the interior shall so decade.

Not more than three hundred and twenty \$250 acres shall be
sold to one applicant. The minister may grant permission to
prospect for coal for a period of slayly days on any single piece
of had not exceeding three hundred and twenty \$250 acres in
extent. The phosin of words the caster commence operations
and carry on the same, continuing throughout the remainder of
the period, and shall expend not best than two dollars \$250 per
day from the time of commencement, such permission to become
would it operations cease for one week. The numster of the
interior may on application extend the time hundred for prospecting.

pecting.

If the lands be not included in any surveyed township, the applicant shall stake out the same by phasing at each angle or centrer a stake or post four inches square and standing not less than four teet above the ground, and on each post he shall insertibe his name and the angle represented thereby, thus: A. E. Cornel, "or as the case may be, and with his application he shall forward to the minister of the unterior, a may elsely of the theory of the standards however, and the land as staked out, specifying metes and bounds and showing thereon the best information in his power respecting the same, and all boundaries so staked out shall be due north

and south and east and west lines, and the length thereof shall

and south and cast and we of lines, and the length thereof shall not exceed twice the breadth.

To regulations provide for the settlement of disputes between the transfers of mining rights and surface rights respectively.

All communications respecting mining and the regulations respecting mining among manner of the Interior, Ottawa, Outario, or, the Interior, Ottawa, Outario, or, or, or, to William Pearce, Superintendent of Mines, Calgary, N. W. T.

# NEW BRUNSWICK

compiled by EMMERSON & CHANDLER, Barristers, and Alterneys at Law, Dorchester, N. E.

#### CORPORATIONS

Under Act of Assembly, Chapter 9, 1885.

Under Act of Assem'dy, Chapter 2, 1855.

FORWATION. Defition for letters patient must set north Trist, the proposed corporate name of the company, second, the above for which its incorporation is sought, third, the proposed is provided where the elimity place is sought, third, the proposed is provided in the above for which its incorporation is sought, third, the proposed is been any case than \$2,000 and its formation, and to be been any case than \$2,000 and its formation, the name in its last of the proposed in the sought and the angular stored, fifth, the name in its last of first or provisional directors of the company means and the angular of each of the applicants and the angular angular of the storage and the proposition of the storage and the storage of the proposition of o

transferable as presented by the by laws of the company, sublevel to the fiel.

LABILITY of SIAMI HOLDING, Each shareholder, until the
whole amount of his shares has been paid up shall be individually had been been paid up shall be individually had been been paid up shall be individually had been paid up shall be individually had been paid up shall be individually hable on any such contract, etc.

RESTRICTIONS, Erc. Companies incorporated under the act may not issue notes payable to bearer or engage in banking or insurance. No company incorporated with the property of the company and the watering incorporated by property of the company and the watering of the an other of the level domicile of the company shades an other of the level domicile of the company shades and notice of the levelity where is their chief plany, channess, and notice of the selection of that offer anomale by any company to any shareholder. On the proceeding the company to any shareholder. The charter of the company and any one time, of the company of

#### MINING

Vets of Assembly, 1891, a hapter 16

I nder the present act "prospecting Leenses," gaving the right to cerrch for gold and saver, and "licenses to search," gaving the right to search for mines other than gold and salver, may be

lation out.

Quartz mones are laid off in areas of one hundred and futty
else by two hundred and futty feet in rectingular shape. Affixing
mass are laid out as allowes so hat as possible. Leases may be
procured of gold and styer areas from the surveyor general upon orders are man out as above so lat us possible. Leases may be procurred of gold and styer areas from the surveyor general implication in writing and upon particular of \$2\$ for every area leaved for the first year, the surveyor period in occurs to each area leaved hemy payable animally some to reach subsequent year. The lease is fortering influence makes such animal payment advance. The lease is fortering to influence makes such animal payment in variable for a contains proximity for a right atom with proximity and the damages are mingle to the surveyor and the damages of the supreme court, who can dispose of many lease, as to the surveyor of the supreme court, who can dispose of many lease, as to lease of the supreme court, who can dispose of many lease, as to lease shall be ton the term of twenty year checked on tailing to the proximal proximal and again the provides of the perform such year the number of days land year the former of the provisions of such lease.

A prospecting leaves for any period not exceeding twelon.

systems can any time—transes are to remote our animals to pay systems of an the carse, of to comply with any other of days, labor visitors of such post-one cash year the number of days, labor visitors of such post-one to any period not exceeding labor visitors of such post-one to any period not exceeding labor production to the surveyor general, and upon payment at the rate of "accents on the remove that one hundred accents such because not to mende more than one hundred accent twelve months at half the above rate. Within the lease of any areas and because the holder shall be a second rate of the prospecting heaves may be removed to a second rate of any areas included in the heaves. A fail only of two not one half per cent upon the gassest mount of the production of concentration of any areas included in the heaves. A fail of the two not one half per cent upon the gassest of the production of concentration of quantiquity, its labor to show the area of any areas included in the safety that the area of any nation is a strength of the production of concentration of quantiquity, its labor shows an area of the production of a production of the production of the labor and production of the production of the labor and production of a production of a

poetral license of a fease of a 2000 concerning license of a fease of a 2000 concerning through Tarks (1) in Engineering the through the fease of the filter from the fease of application. The license fease should the been seeing every any tract not exceeding to the possible of the been seeing every any tract not exceeding to see in license may cover any tract not exceeding to see in length of the terms of the fease of the traction of the same of the same of the same of the same of \$200 country to the same of \$200 country to search over the same area of the same of \$200 country to search over the same area of the same of \$200 country to search over the same area.

may be granted, provided that no more applications shall be received than there are areas of one square mile each within the area first applied for. The holder of a license to search may at any time before the expiration thereof selects an area of one square mileter than do not do the hence for working the square mileters to be a solution of the selection of the a term of two years from date of application, and may be ex-tended to three years on payment of one-half the amount origin-ally paid. Effective mining operations must be commenced within the term of the license. A heense to work may be ob-tained in the first instance upon the terms above mentioned. The bodder of a heense to work is entitled to a leave of the perfection of the conserved by the heense on or before the termination may be granted, provided that no more applications shall be thereof.

premises covered by the heense on or before the termination thereof.

Leaves, Leaves of mines other than gold and silved are for the term of twenty years and may be renewed as hereinafter mentioned. A leave are are all mine is not authorized to assign or transfer his leave without the consent of the governor in council. A leave may be surrendered at any time. The governor in council, a leave may be surrendered at any time. The governor in council has upon special circumstances authorize a leave of a larger area than one square infe. Leaves of copper contains provisions for king the boundaries of mining areas under the supervision of the surveyor-general and in conjuncion with besees of adjoining areas within six months after the issuing of any leave. Quarterly returns are required to be made specifying the quantity of ore or minieral wrought or gotten, the amount of royalty neerned, and the number of days labor, and of the persons employed, and of work done in any hime. Such returns are required to be made under oath. The following roy-ton on the coal removed from the nine, copper, a cerea more every one per cent, of copper on each ton of two thousand two hundred and forty pounds of lead ore sold or smelled, iron, 5-cents on every one per cent, contained in each ton of smelled, iron, 5-cents on every ton of two thousand two hundred and forty pounds of use field, it may precious stones, five per sent, on their value, Leaves of mines other than gold the leaves of which years and ort pounds of ore sold or smelled, the approach of the provided of the heaves of or abandonment or fadure to work effectually, but an appeal lies to the superior count from the decision of the year-general declaring a tothe beases and of the mining act. Leases may be forfeited for non-seonplaine with the terms of the leases of for abandonment of tailure to work effectually, but an appeal lies to the suprementation of the control of the registered in the crown fand-office within one year from the time of application, otherwise the area shall be considered award. All mortgages and other transfers affecting the title to any mines shall be recorded in the crown fand-office. No lease the owner on the control of the c

#### ONTARIO

Compiled by Robinson & Languoid, Barristers, Solicitors, etc., Rat. Portage, Out.

#### CORPORATIONS

LETTERS PATENT OF NOOFFORTHOS. All companies are created either by special act of parliament or by letters patent sessed under the provisions of "The Outario Joint-Stock Companies Sections Labert Act," by the houlemant-governor incomed, more of Outar Labert Act," by the houlemant-governor incomed, one of the interior of some locality therein must constitute part of the inme of every company men prorated under this act.

The applicants for letters patent must for at least four consecutive weeks give notice in the Outario Gazin of their intention to apply for the same, stating therein.

I the proposed corporate name of the company, which shall all the outarions of the company, which shall consecutive the outarion of the company, which shall minimeroporated.

not be that of any other known company, incorporated or immeroprated.

2. The object for which incorporation is sought.

3. The object for which incorporation is sought.

4. The place or places within the province of Ontario where its operations are to be carried on, with special mention of its chief place of business.

4. The amount of capital stock.

5. The number of shares and amount of each share.

6. The number of shares and amount of each of the applicants, with special mention of the names of not best than three of their number who are to be the first directors of the contain).

At any time not more than one month after the last publication or the notice, the appleants may perturn the heater me asy production or the notice, the appleants may perturn the heater active more portent. The perturn must star the tasts required to be set forth in the notice, and also the amount of stock taken by each appli-cant and the amount, it any, paid in upon the stock of each applicant, and whether the amount is paid in eash or by transfer of property, or how otherwise. In case the capital of the proposed company is \$5,000 or under, publication of the notice is not re-quired. From the date of the letters patent the persons therein named and their successors shall be a body corporate and politic by the name mentioned therein.

POWERS OF COMPANIES TO HOLD REAL ESTATE, ETC.-Every company so incorporated may acquire, hold, alicuate and convey real estate, subject to any restrictions or conditions in the letters patent set forth.

real estate, subject to any restrictions or conditions in the letter's patent set forth.

Diffectors. The affairs of every such company shall be manipud by a board of not less than three directors, and the persons named as directors in the letter's patent shall be the directors of named as directors in the letter's patent shall be the director for named as directors in the letter's patent shall be the director there are not shall be observed on a papointed a different there after unless he is a shareholder, owning stock absolutely in his sour right, and not in arrear in respect of any call thereon. Directors shall be elected by the shareholders in general meeting of the company assembled at some place within the province of Outario, at such time, in such vise and for such term, not exceeding a such as the company as presented. The directors had not always of the company may be such in the company, and may make or cause to be made any description of contract which the company may by law enter into.

By 4. was, —The directors may make by-laws not contrary to law or to the letter's patent to regulate.

By 4. was,—The directors may make by-laws not contrary to have for the letter's patent to regulate.

Letter of the letter's patent to regulate.

By 4. was, by a such as a such as

of their stock qualification.

The appointment, functions, duties and removal of all agents, officers and servants of the company; the security to be given by them to the company, and their remineration.

The time at which and the place where the annual meeting of the company shall be held; the calling of meetings, regular and special, of the board of directors and of the company; the quorum; the requirements as to provies, and the procedure in all things at such meetings. The imposition and recovery of all penalties and forfeitures admitting of regulation by by-law.

The conductional procedures of the affairs of the constraints of the affairs of the constraints.

admitting of regulation by by-law.

The conduct in all other particulars of the affairs of the company. And they may from time to time repeal, amend or recuact the same; but every such by-law and every repeal, amendment and re-machinent thereof, unless in the mean-time confirmed at a general meeting of the company duly called for that purpose, shall only have force until the next annual meeting of the company.

annual meeting of the company, whall be deemed personal estate, and shall be formed personal estate, and shall be deemed personal estate, and the deemed and promity as respects dyidends and otherwise, over ordinary stock, as may be declared by the by-law. No shares of stock shall part of the declared forforded for non-payment of ealls thereon, from the shareholders thereon, especiately, all sines of money by them subscribed, at such times and places and in such payments installments as the letters patient or by-laws or "The Ondario Joint-Stock Companies" betters Patient Act" requires or allows Not less than ten per eart, upon the allotted stock of the company shall be called in and made payathe within one year from the heory that the control of the declared of the company direct. The company may entore payment of all calls and inferest thereon in any court of competent jurisdiction. BAATOEMS. The differents of the company shall not declare or pay any dividends when the company is insolvent, or any dividend the payment of which repders the company insolvent or dimensions the capital shock hereon, the first of the declared of the payment of payment of the payment of the payment of the payment of the p The stock of the company shall be deemed personal

unless the company has been said therefore within one verified the debt became due, nor yet miles such director is sued therefor within one year from the time when he ceases to be such director, nor yet before an excention against the company has been returned unsatisfied in whole or in part; and the amount due on such excentions shall be the amount recoverable with costs against

FORLETTIBE OF CHARLER. The charter of the company shall be to tested by non-user during three consecutive years at any one ting, or if the gonquay does not go into actual operation

one time, or it the company does not go into actual operation within three years after its charter is granted.

LAYMILITY OF SHARRHOLDERS—Each shareholder, until the whole amount of his stock has been paid up, shall be individually hable to the creditors of the company to an amount equal to that not paid up thereon, but shall not be liable to an action therefor by any creditor before an exception against the company has been returned unsatisfied in whole or in part, and the amount due on such exception, but not beyond the amount so unpaid of his said stock, shall be the amount recoverable with easis against such shareholder.

Potnowine Powers. In case a bylaw anthorizing the same is smelloned by a vote of not less than two thirds in value of the shareholders at a general or special meeting called for the pro-ceed, the directors may be true more upon the credit of the company, and issue boulds and delentures or other securities the commany, and may sell the same at such prices as near he

pow. The directors may borrow mones upon the credit of the company, and issue bonds and absolutives or other scenaries of the company, and may see both and absolute at such prices as may be deemed expedient or new may in a similar manner hypothecethem Sim. The director leaves may in a similar manner hypothecethem to the company of the

#### LIENS

Every mechanic, machinic that the pressure of the person, unless he signs an express agreement to the contrary, burnishme materials for construction, afteration or appared in the materials for construction, afteration or appared in the pressure of the pr

with the completion of individual completion of the completion of

occupied as hereinafter mentioned. Crown lands supposed to contain ores or minerals may be sold as mining lands or may when situate within, mining days, on, be occupied and worked as winding the supposed in the contained of the supposed in the second of the supposed in the

Where a minure location in the misureyed lands at the territory arons said borders upon a lake or river, a road, showners to wish is ladded by the reservoir along the miscas of the late or river, and the width of the location because the late or river, and the width of the location shall be die north and such cases of the reservoir and the factors shall be die north and soult are entered in the location shall be die north and soult are entered in the requirements of the preceding so commissioner entered in the requirements of the properties of the land will be a such as the saint of the land will be a such as the saint of the land will be a such as the saint of the land will be a such as the saint of the land will be a such as the later of the land will be a such as the later of the land will be a such as the later of the later of the land will be a such as the later of the la Where a mining location in the unsurveyed lands in the terri

In townships in said territory surveyed or hereafter to be surveyed into sections or lots, every minimal beation after such survey shall consist of a lad, a quarter are minimal to a systemit of a section or lot, as the case may be made that the area of such minimal location shall be not such as the territory access to minimal control shall be not such as the first part of the appearance of the surveyed may be such as the property of the appearance of the surveyed may be determined in the minimal surveyed family as straight of the property atoresaid, mining locations shall be as may be defined by order in counted.

leasts for mining locations in the ferritory the grant patients and least test variation for roads of the period approximal their shall least test variation for roads of the period approximal their shall least test variation for roads of the period approximal their shall granted. In the insurvey of lands not situate within the limits of territory atories and, imming locations shall be an any locational by order in council.

Maning locational surveyor, and be connected with some known point of loundary so that the tracts has the land or thrown point of loundary so that the tracts has the land or lands in the other map of the territory in the department of the winds has been desirable to the applicants, who shall be not long to the territory in the department of to turns with the cast of the applicants, who shall be not long to the territory in the department of to turns with the cast of the applicants, who shall be not long to the territory in the country in an early of the country of the surveyor of crown lands.

The proposition of the destruction of the period of the surveyor of the country of the

shafts or in other actual mining operations the same sum upon lands leased as is provided shall be expended in case of sales or grants and within the same time, and in default of such expendi-ture the lease shall be forteited and become void. The lesses may at any time during the denisted term, upon the payment of all rent due and the performance of all covenants and conditions, become the purchaser of the lands denised to him, and, hard of

become the purchaser of the lands demised to him, and in such case the sun paid as first year's rental shall be treated as part of the purchase-money. If default is made in payment of rent, the leave shall be forfeitled and become void, but the lesses may de-tent forteither by paying rule and the land day from the date of the leaves of the leaves of the leaves of the leaves of the LESSERVITO'S OF TEMBER. The patents of all crown lands sold as mining lands shall contain a reservation of all pine trees standing or being on said lands, which pine trees shall continue to be the property of Her Majesty; and any person holding a during continuance of such leave enter and hose chalming under and range of a such leave enter and those chalming under and content of the leaves of the leaves of the leaves of the leaves of the made range of an all sets whether each as are necessary for building. during continuance of size rease rate and those claiming under them may cut and use such trees as are necessary for building, feening and fuel on the land so patented, or any other purpose essential to the working of the mines thereon, and may also can and dispose of all trees in elegating the land for cultivation. All such timber cut for purpose of timber or sawlogs shall be subject

to dues.

SURI WE DIGHTS AND MINING-RIGHTS,—Where the mines, minerals and mining-rights are reserved to the crown, the owner of any surface-rights if a patient has not been granted or applied for may make application and shall have priority in respect of such application for a mining lease or grant thereof, upon payment to the department of the purchase-moneyor rent. Valuators appointed by the director of mines shall settle disputes arising between the owner of the surface-rights and the owner of the

BUREAU OF MINES. In connection with the department of BUREAU OF MINES. In connection with the department of crown lands a bureau of names is to be established to ad in pro-moting the mining interests of the province. A director of the bureau of mines is to be appointed, who shall have all the power, rights and authority throughout the province which an inspector or beal agent has. Inspectors shall have power to settle disputes between licensees, and their decisions directed in mining claus, appointed under this and the power to inpress to mining clause, receive applications for the sale of mining lands in their respective agencies.

The lieutenant-governor has power to appoint local agents to receive applications for the sale of mining lands in their respective agencies.

MINFES LICENSE. A director of the barreau of mines may, on payment of \$5 and one year's rent at the rate of \$5 per agency, and payment of \$5 and one year's rent at the rate of \$5 per agency regard to the party apply there's because shall be in force for one year from the date thereof, and shall not be transferable. The lecense may be renewed on payment of a fee of \$5 and the animal rental. Licensec has power personally, and not through another, on the according to the license.

STARING OFT NAD HOLDING OF CLAIMS.—The hierarce's shall have the right to stake out within the division mentioned in his license a mining claim on any vown hade case of the four corners before the Aming chains shall be had on the measurement of all such licenses and protrangular shapes, and the measurement of all such claims and rectangular shapes, and the measurement of all such claims stall be hard on the payment of a fee of 2n cents, and every lecence who has staked out a mining claim shall within thirty days thereafter the approximation of the payment of a fee of 2n cents, and every lecence who has staked out a mining claim shall within thirty days thereafter given hother thereof in writing to the inspector. A mining claim shall be deemed the yold in writing to the inspector. A mining claim shall be deemed to the shall corn prepaid, or it the mining claim remains minwrised to the space of three months after the same has been not staked out, or remains minor kent in the same has been my staked out, or remains minor than one mining claim to crown lands, every horizon mining claims have been rendered temporarily minor being worked. The discoverer of a new vein shall be entitled to two mining claims in the discovery is distant of on a known to my being worked. The discoverer of a new vein shall be entitled to two mining claims in the difference on the mining claims and shall be kept clear. Any pers

A party wall inferent bet there shall be bett between claims and shall be kept clear. Any person removing party walls is bound to construct a new node of access to the water, in no wise more difficult as an agree than the one destroyed by the removal of the party o

estimated value thereof.

The act centains provisions for the prevention of accidents, in regard to the giving of notice of opening and abandonment or mines, and for the teneng of abandoned mines. It also defines the diffuse and powers of inspectors: penalties for obstructing inspector, also general rules in regard to variation, giuppowder and blasting, manifoles in eigene planes, spaces in horse roads, because of shafts securing of shafts, safely from water, senading, overhead cover, chains, slipping of tope on drain brake, Inclination of laddders; gauges to botters and safely valves, dec., etc.

#### OUARRYING.

There are no special laws as to quarrying in Ontario.

#### OUEBEC

#### CORPORATIONS

GRANTING OF CHARTER.—The lieutenant-governor may, GRANTING OF CHARTER.—The leutlemant-governor may, by theters patient, grant a charter to any number of persons and less than five, who perform therefore. So, when the persons and less than five, who perform the performance of the corporate for any of the purposes within the jurisdiction of the legislature, except for the construction and working of railway and the business of measures. Such pelitioners shall previously give notice of their intention to make such application by making publication during four consecutive weeks in the que be cubical. punication turing four consecutive Gazette, which notice shall contain: 1. The corporate name. 2. The object. 3. The place of business.

ittsetth, which notice shall contain:

1. The copporate name.

2. The object.

3. The place of business.

4. The proposed amount of its capital stock.

5. The number of shares, and the amount of each share.

6. The number in this address and the amount of each of the application of the number of shares, and the amount of each of the application of the number of the number of the number of hot less than three nor more than nine of their number, who are to be the first directors of the company.

Within a month thereafter the applicants may petition the lieutenant-governor for the issue of letters patent; which petition must redie the facts set forth in the notice, the amount of stock taken by each applicant the same has been paid. The facts of the stock of the notice the amount of stock taken by each applicant the same has been paid. The total amount of the stock of the company. The aggregate so paid in must be at least ten per cent, thereof, or five per cent, of the total amount of the stock of the company. The aggregate so paid in must be at least two per cent, thereof. The letters pattern of the rediend stock of the company.

General paid in upon such excess must be at least two per cent, thereof. The letters pattern of the rediend properties of the per cent, thereof. The letters pattern of the rediend properties of the pattern of the company.

General pattern of the company.

General pattern of the company of the pattern of the company of the pattern of the pattern

torce.

The directors shall be jointly and severally liable to laborors

The directors shall be jointly and severally liable to labotors of the company for all debts not exceeding one year's wages due for services performed while they are such directors, respectively; but no director shall be liable therefor the debt described; but no director shall be liable therefor the debt became discussion of the control of the capital stock may call a special meeting by given one fourth of the capital stock may call a special meeting by given written notice thereof. No stock shall be issued to represent the mercased value of any property. The practice commonly known as "watering of stock" is prohibited. The apitalization of surplus carnings, and the Issue of stock for represent such capital ration of surplus carnings, and the Issue of stock for represent such capitalization of surplus carnings, and the Issue of stock for present such capitalization of stock list is not represented by leadinate and necessary expenditure in the interest of such company brotholded. The stock of the company is deemed personal estate, and is transferable. The directors may call in from the sharped stocks shall be estelled made any insubscribed, in such payments as the by-laws may allow. Not less than ten per cent, upon the altotted stock shall be called in all they were thereafter at least a further raye per cent, shall be made payable until one-half last affirther they per cent, shall be made payable until one-half last within the time prescribed their stock may be forfeited to the company. No shareholders shall be lead responsible to creditors beyond the amount of their respective shares in the capital stock hereof.

thereor.

DIVIDEMOS. No company shall declare a dividend that is not earned, or which infringes or lessens, the capital of the company. Should any dividend be so declared, the directors consenting to

the payment thereof shall be jointly and severally liable to the ereditors of such company for the amount so paid.

Boots To Bic Kelet.—The company shall cause books to be kept, in which shall be correctly recorded: 1. A copy of the letters patent, and all the by slaws; 2. Names of all persons with a certain face been stockholders; 3. The address and entitled of every such person; 4. The number of shares of each either of stock; 7. The number of shares how to stock, 6. Transfers of stock; 7. The numes, addrashed business hours, he kept open for inspection; in dependent of the person of the person

company do not go into actual operation the exagencies of the its granter. SERGAL TAYLES. In order to provide for the exagencies of the public service, every incorporated company carrying on any lator, trade or business. therein shart pay an annual tay on you one-tenth of one persent, upon the amount of the paid-up capital of \$1,000,000, inclusive and \$2.5 for each \$00,000 or fraction they of, over \$1,000,000 inclusive in a additional tay of \$50 for each place of business, factory or workshop, in the entes of Montreal or Qui-bice, and of \$25 for each place of business, factory or workshop,

at every other place or place or business, factory or workshop.

Do LAUVER to be Be MADE. Every such incorporated conpressive to be dedicated to the superior could, of to the
reastern, a declaration in writing, stating the name of the conpinny, where and how and the date if was incorporated, and
where its principal place of business within suffer commencing
operations and business the desired within suffer commencing
operations and business property to make and the such decide
action renders in managed or chief agent, as the case may be, to a

Meximolor of Wissers Lauvers Lauvers and the case may be, to a

Meximolor of Wissers Lauvers Lauvers and the case may be, to a

duct, principal manager or einer agent, as the case may no, to a fine of \$200.

METHOD OF WINDING I P COSPANA. Any such point stock company may be wound up voluntarily whenever the directors deem if expedient, by convening a mercula mechanic of the shareholders. It at such that such that the stock proposed may be a produced by the stock freshow, then the company shall towath subsists and carry on business for the purpose of winding up its admiss. Lagindators shall be appointed for the purpose of winding up the almost. Lagindator of directors shall cease for cerefully, and be published by him and sessification of the stock freshor, and the purpose of the substitution of the purpose of the date of dissolution the liquidators shall deposits with the provincial freasurer the amount of all debts and of all dividents which may then be included and impaid, attested before a justice of the peace. They shall also deposit with the superior court the book accounts and documents of the company, and also the sworn accounts albunited to the shareholders.

#### MINING

PRIVITE OF SOLVEN AND FINE MAY OF MENTING RIGHTS Mains, as well as British subjects, may empty the benefit of this law. Mining rights are always considered as existing under the provisions of this law, and shall be properly separate them the soil covering such manes. Mines being crown properly, any merson discovering the spirit belowed in taxor of the errors upon the level of interest of the crown upon other was a huenated, and shall consist of a percentage of three per cent, of the merchantable value of the products of all mines and minerals, excepting gold and story, which shall serve one hall per cent, of the gross were should some for the shearth of the products of the mineral management of the shearth of the products of the mineral in the goods and chatters used in the working of the mineral in the story of the mineral products o

Showing the mining divisions, the mining concessions and the exploration permits.

APPOLYMENT OF OFFFCH, the heatenant-governor in Connectinal appoint the others he deems necessary for the care rying out of this act, and by their rank are essentially the care rying out of this act, and by their rank are sessioned to them by order in council, in the perfect those presentable by this law, the minimum constables, who are appointed to the enginesis of the rank are constables, who are appointed to the purposes of the property of the control approach of the commissioner. Said constable, who are appointed to very the constables appointed to this division, but his regulations are subject to the provers, and the control appointed to the commissioner. Said constable appointed to the commissioner. Said constable for the control of the control of the length of the property of t

officer, the inspector possesses the purisdiction authority, rights and privileges conferred upon any police magistrate, district magistrate, judge of the sessions, justice of the peace, sherift or recorder throughout the whole extent of the territory for which he has been appointed. He may, in general, settle any difficulty nature or thing arising from the provisions of this law, or any contravention thereof, as well as the regulations made under such provisions.

contravention outcomes as well as the second provided in such provisions. Any prostry rithe. Any person, firm of Exploit VI1088. Any prostry rithe, and person, firm of company may be hand not already occupied. He may obtain upon the proposition of a proposition permit, with the right to make all necessary weeks, to establish the minimary value of any land, which is valid for three months, and will cost, it the mine is upon private lands. So for every fifty across.

SELECT, The applicant shall formula good and sufficient security, subject to the applicant shall formula good and sufficient security, subject to the applicant shall formula good and sufficient security, subject to the applicant shall formula good and sufficient security, subject to the applicant shall formula good and sufficient security, subject to the applicant shall formula good and sufficient security, subject to the applicant shall formula good and sufficient security. The applicant shall formula good and sufficient such as the security of the proposition of the security of the security of the proposition of the security of the proposition of the security of the security of the proposition of the security of the

tor all losses and to constitue of expansions.

FRICE NNI AREA. The minimum prize of sale of mining concessing is, for from and order of sale of mining concessing is, for from and order of sales of the first and order of sales of the first and of the sales of sales of the first and of the first

is shown in the exhibition of specimens of minerals found upon or in such hand, accompanion by additions of competent and came therefrom.

ROYES AND WATER OF ISSES. All reads and water courses upon mining comessions, whether expresses treatively or not in the deed of safe, belong to the converse of the control of the co

becomes pleno time ault and void, and the petitioner can incloning work such nime.

The a Navi WARKE See Owners of mining comessions and holders of exploration permits shall comply with all the requirements of their conjugation by shall cause to be set up at each corner of their conjugation by shall cause to be set up at each corner of their conjugation at which it is placed. When the posts have to improve any the between two mining concessions the last owner shall give notice to his neighbors that a survey will be made to the purpose of defining the boundaries thereof, and of placing the posts bequired by law, which survey shall be made within too days following the receipt of such more every lost which is destroyed or removed shall not before the theory continuous of the months of January Mark and Chebor of each year the owner of his agent made to the months of January Mark and Chebor of each year the continuous field. More a report to the commission of the months of January Mark and Chebor of each year the continuous field, the description of the shorts, quartics, inching the previous quarter.

openings, open spaces, and a statement of the ores worked dur-ing the previous quarter. RoyACHTS—The amount of towarty shall be paid to the aspector of the maning division of to the department of crown lands in the same period as that specified for filing the report and

athdavit OVELA MITES. Every person who desires to make use of any mill, other than those worked by hand, within or near any mining division, for the crushing or reduction of quartz, or bottomize of specific styer thereform, by crushing, stamping, annabamation of specific resolvers, thereform, by crushing, stamping, annabamation the unspector upon parameter of a fee of S. Every here is of mill owner is required to deep a register, in which he sound to enter a clear and distinct statement of the entire basines.

of his mill, and to furnish monthly to the inspector of the min-

of his mill, and to turnsh monthly to the inspector of the mining division a statement, under out, for each day of the month then last, past, together with such other information as the inspector of the hentenant-governor in council may require. The past of be no longer in force.

be ne longer in force,

PENALTIES, Whooever mines without an exploration perritt's lable to a fine not exceeding \$10 and costs for every day of
such contravention, or, in default of payment, to imprisonment
tor a period not exceeding one month. Whoever obstructs or
removes a party wall or passage upon lands worked as mines is
liable to a fine not exceeding \$85\$ and costs, or, in default of payment, to imprisonment to a period not exceeding one month,
Whoever causes damage or injury to the occupant of another
concession by throwing earth thereon or flooding with water is
liable to a fine not exceeding \$85\$ and costs, or, in default of payment, to imprisonment for a period not exceeding one month
Whoever does not comply with the decision of the inspector

with respect to a water-course is liable to a line not exceeding \$50 and costs, or, in default of payment, to imprisonment for a period not exceeding one month. Any person found removing or disturbing any stake or picket is liable to a line not exceeding \$10 and costs, or, in default of payment, to imprisonment for a \$10 and costs, or, in default of payment, to imprisonment for a working a mine without teneing the exceeding \$50 and costs, or, in default of payment, to imprisonment for a period not exceeding going month. Every inspector of mines who, while in office, takes, without consent of the lieutenant-governor, an interest in the mines in his division, is liable to a fine not exceeding \$900 and costs, or, in default of payment, to imprisonment for a period not exceeding one one year. Every holder of a license engaged in mining who interferes with an officer in entering for the performance of its duty for the performance of its duty for the particular of the performance of its duty for the performance of the duty of the performance of the duty of the performance of the performa with respect to a water-course is liable to a fine not exceeding

# MINING LAW AND REGULATIONS

# REPUBLIC OF MEXICO

# TRANSLATED FROM THE SPANISH EMPRESSLY FOR THE MINING DIRECTORY

THUEL OF MINES AND MINING PROPERTY

Article 1. Mining property in the United States of Mexico shall be governed by the following rules, which will be entorced by the executive government in accordance with its constitutional

subject to this law are those numeral substances which Art. 2. Subject to this law are those mineral substances which cannot be exploited except under previous concession and their tor whose extraction works are required which may enclarged the layer of the operatives, the scentily of the works and the stability

of the soil.

Arts. Those numeral substances for whose exploitation a cor-

of the sult.

At 3. Those numeral substances, but whose exploitation a corresponding concession is indispensable in every case are those which are horematter camberabel, heaven may be the nation of substantion of their resistance depends. A Gold, planting a substantial content of substantion of their resistance depends. A Gold, planting a substantial content which are explained as coloring materials, lead, espectation except float the garden as coloring materials, lead, espectation except the material of the garden as coloring materials, lead, espectation explained as the coloring materials. The owner of the submay exploit freely, which coloring is the rocks of the owner of the submay exploit freely, which materials the constitution of the substances. The condustible materials and constitution of the substances of the ground which serve also discontinuous days of all classes as prince materials for constitutionals and early of all classes the morks of except all these conductions and clays of all classes the law, and, in general, all these and special or little and the substances of the conduction of the substances of the substances are substances of the substance

the control of the second of the control of the con

decision within the petemptory period of eight days, counting trout the date of his appointment. The index, laking into neconit the opinions of the form white the expense of the proofs which the parties themselves and the proofs which the parties themselves and its him white the expense receiving their days and the amount of the indemity within the tolic received days. The decision of the index shall be the proofs days. The decision of the indemity within the tolic without the received days. The proofs days have been profited by the medical days and the amount of the indemity within the tolic without the period of order days have been profited by the major and profited by the major has been profited by the major has been profited by the major days and the index of the summary and the index of the expect of the major days and owner. He is the process of owner days that he was a the amount of the expect in major decision and that of the expect of the amount of the expect in the summary decision and that of the expect of the expect in the concern 1. The expect is making the variation, which are considered by the major mount to be delve ten the which it may concern 1. The expect is an indicate of the expect days and the lead rights of wax which are to established days state.

— VII 1. Whi his proof expects in making the variation, shall thus a proof of the proof of the expect of the

See Ar rele Hot this law,

that of dramage, in which case, under penalty of mility, all particulars referring to passage or transit indicated in the foregoing Clause IV. Shall be stipulated in the compact. XI. Mines which may be newly opened in places where they can be benefited by a general dramage timilet already existing shall be subject to the provisions of taxes of II. A. H. Ostober, in the obligation of every owner of apparticularies to permit that his interior workings may be communicated with those of proprietors of adjacent properties, to whom the communication produces, as a necessary result, right of use for ventilation consists in the obligation of every owner of appartenances to permit that his interior workings may be communicated with those of proprietors of adjacent properties, to whom the communication produces, as a necessary result, the ventilation which cannot be necomplished in any other man ner without great expenses. ATH, the context of the many other man is the property giving and receiving the benefit there shall always be grates localed so as to impede passage or transit at the borders of the respective properties. VIV. When a communication, different rounds to respect the properties, and the context of the respective properties. VIV. When a communication, different from that forescen in Clause XII, effectually wentlates one or more works, that service of ventilation shall give no right to the properties of the other ventilated works, nor shall said other proprietors, an their time, acquire lead right endemity from the proprietors, an their time, acquire lead right endemity from the proprietors, and the construction of the open work, according to the provisions of clause XII, paying ore is found, the prescriptions of Clause XII, paying ore is found, the prescriptions of clause XIV, shall be observed. XVII. All the cost which the work of making an opening to secure ventilation occasions and the cost of the after preservation of such works shall be for the evelusive account of the party who shall have applied for the legal right of use to the benefit of one mining property and or the borders of another there shall be required, either the acquirescence of the owner of the burdened property expressed in public writing or in a declaration signed and rathed before the indical sentence. XIV. The owner of appurtenances to whose not obtain the time of the party who the numbery of public works, which the properties of which the period and with the brainstrative decision their right remains without dimaintion to apply to the respective local tribunals within the time fived by the regulation. Th shall be comming cited, by the tribunal which probabless, to the ministry of public works. AX, If the administrative resimiliar forms the probable with the administrative resimiliar to an only be overated minicilately by the applicant first giving bonds satisfactory to the ministry of public works, to indemnity for damages and minimes in case the defendant should obtain exception in the tribunal in his own two. XXI. The regulations of the three preceding clauses are applicable in all cases in which that had down in the other clauses gives or could give rise to judicial contention

# TIPLE II. OF EXPLORATIONS, APPURITABLES AND MINING UNITESSIONS

Art. 13. Any minabitant of the regulative can freely make, mon government lands, explorations leading to the discovery of numbers of the discovery of the respective authority as the regulation provides. No imming explorations can be made upon lands which are private property without the permission and the owner of his representative, but meases that the prinsiston cannot provide a required property without the permission cannot provide, requiring a bond for damages and minuses that may be caused, which the explorer will be obliged to execute to the satisfaction of the authorities after consultation with the owner of the land or his representative. Only by permission of the owner can explorations be made unside of private buildings and their dependences. A configuration of the public has the discovery of the disc

tenances.

Art. 4. The unit of concession or the appurlemance specto-nencia in the intrice shall be a solid or unhanted depth, limited to the concession of the concession of the concession of the toritorial rectaingle of one hundred meters on each side and bounded underground by the tone corresponding vertical planes. The manus appurlemance spectomena is manyishle in all con-tracts which are made concerning mining concessions or which after the conversion.

after the ownership.

At 15. Saving the disposition in the final chaise of Article 13 of this law, the concessions shall belong and shall aways begiven to the first appearation of shall encountered to the first appearation of shall encountered in the first appearation of the first appearation of the first properties subject to the concessions, the number of apparate manes which the interested parity may ask for which number be should always clearly specify, and, in neconal new with the provisions of the regulations the situation which the apparation constituting his concession are to occupy in the land. If between the apparticulates granted and others already existing their terms in a space of less size than that of the met of concession,

this space also shall correspond and be granted in ownership to the first applicant.

TITLE 111. OF MODES OF ACQUIRING MINING CONCESSIONS.

Art. 16. The ministry of state and of the dispatch of public works shall name in the states and territories and federal district the special agents acting for each, before whom shall be pre-sented the petitions for mining concessions. These agents shall be authorized to charge fees according to the tariff which the said

be authorized to charge fees according to the tariff which the said ministry fives.

Art. 17. The agents of the ministry of public works shall receive the applications for mining concessions, entering numediately in a register the day and hour of the presentation. They shall then proceed at once to the publication of the application and to the measurement of the appurtenances by the expert of practical man whom they appoint; and, providing there he no opposition, they shall transmit a copy of the proceedings and of the pian to the ministry of public works for the proper approval and issuance of the title. The regulations will fix the periods and included the proceedings of the ministry of the great be furthed and will detail the mode of procedure of the agent.

Art. 18. Having obtained the approval of the proceedings, and the title of property having been issued in favor of the applicant, he shall enter into possession of the mining appurtenances without necessity of further formality.

the title of properly having been bested in favor of the applicant he shall enter into possession of the mining appurtenances without necessity of further formality.

Art. B. The agents of the ministry of public works cannot suspend for any reason the course of the proceedings, except in case of opposition; and as soon as the term fived by the regulations ferminates they shall be obliged to transmit immediately acpy of the proceedings in the state in which it may be found to the ministry of public works, in order that the latter department of the ministry of public works, in order that the latter department of the ministry of public works, in order that the latter department of the ministry of public works, in order that the latter department of the ministry of public works, in order that the latter department of the tand be his, or exact responsibility of the agent if, because of the tand be his, or exact responsibility of the gard if, because of the application for any mining concession or to the taking of the opposition proposition is presented by the owner of the soft of the application tor any mining concession or to the taking of the corresponding measurements, alleging that the mineral torther work of exploration within the latter of his proposition with deposit in the surface of the great of public works shall openly reject the opposition. In case that no inductations of the deposit exist in the surface of the earth, nor any cut or other work of exploration within the limits, a proceeding analogous to that of Arthele 11 of this law shall be followed. The respective local ministry of public works.

Art. 2. The agents of the ministry of public works shall send the matter to the respective local indice of the first instance for the ministry of public works.

Art. 2. The agents of the ministry of public work shall send the matter to the respective local indice of the first instance for the ministry of public works and the proper judgment. The indicial authority will give a report of his decision to the mini

#### TITLE IV. GENERAL DISPOSITIONS

TITLE IV. GENERAL DISPOSITIONS.

Art. 22. The development of mineral substances, whether belonging to those nequired by concession according to this law or to those belonging to the owner of the off this law to the second of the second of this law shall dietate respecting the government and second of this law shall dietate respecting the government and second of this law shall dietate only in the manner which best suits them, pishing, retarding or suspending for a greater or less time their labors, employing in them the number of operatives which they wish and at the point which appears to them most opportune, and tollowing, indeed, those systems which they prefer, of use, extraction, draininge and continuous according as they made it most conductive to there own interests. A veer this continuous because of being badly worked and obliged to indemnify those damages and injuries which they occasion to other proprietors by lack of drainage or by any other eremistance which may impair adacent interests.

Art. 23. When it is necessary, in order to hasten the works of the mines at a locatify, to push to completion drainage times, the execution of these works shall be subject to contract between

the execution of these works shall be subject to contact recover the interested parties. Art. 24. Tartnerships or companies which are formed for the development of infines shall be governed by the dispositions of the commercial code, except in that relative to associations which

development of mines shall be governed by the dispositions of are not admissible in naming matters.

Att. 25. The contracts for turnishing systematic to the namer carded until toolay axion shall in the introchance to the namer carded until toolay axion shall in the introchance to the matter carded until toolay axion shall in the introchance to the carded until toolay axion shall in the provisions of the toric cardinal toolay axion shall in the introchance to the carded until toolay axion shall be interested in the provisions of the toric cardinal toolay axion shall be observed, or of mortisgie. The mortrage on mining matters may be made treely according to the prayisons of the cavil code of the toderal district, but hobbing in account the midivisibility of the appurtenance established in Article 1 of the house to the midivisibility of the appurtenance established in Article 1 of the house to the midivisibility of the appurtenance established in Article 1 of the tomorrough of the midivisibility of the consistency of the axion shall be operated at the top to the proposed of the provision of the hobbing of the common to processing the object of the configure of the configure of the mortrage notes to a specifical person of the better, either in the same tilt constituting the debt of by later document. In every case it shall contain the debt, to the confittions of same and to the guarantee, shall be plandy printed on each one of the mortrage notes. The hobbins of mortrage and is can only bring their actions against the debtor or the mortraged property by means of a

common representative, whose acts in that which refers to their rights shall be obligatory upon all the holders.

Art. 27. The judgments in the matter of mining business shall be chief in the federal district and territories or in each state in the judges and courts which are there competent, in contents with the proxisions of the commercial cost, observing filtering that presented in Chapter 9, Title 1, Box of shall mercanic code, upon the basis of which the first cost of administration indicated in Paragraph 2 of Article 1630 of the same code is the payment of the tax.

ented in Paragraph 2 of Article rock of the first ment of the fax.

Art. 28. The revention of those which are expressly evening fouring with the exception of those which are expressly evening by contract, shall be toleral property tax and as special corresponding law will establish it. Respecting the other laws upon mining, the preparations of the law of the shot of June, less, shall be also belong to payment of the property hay according to

shall be observed.

Art, 29. Detaill of payment of the property fax according to the prescriptions and propositives of the law which establishes it shall constitute, from the date of taking effect of the present fax shall constitute, from the date of taking effect of the present fax shall constitute, from the date of mining properties, which shall in such case remained from all burden and shall be granted in the first application of the date of t

the first applicant in contourning with the provisions of this hand its regulations.

Art, 30. The bracket of mining shall belong to the ministry of state and of the distracted of public works, colonization and ministry, which shall do not the distracted of public works, colonization and ministry, which shall not the law to dictate all the measures which it shall prove convenient to promote the prosperity of mining the property and which for the enforcement of said high shall be about the explorations of mineral substantial colonizations and perform in general the commissions which the regulations and perform in general the commissions which the regulations default.

Art, 31. The excentive shall designate in the terms of Article of the deleval constitution the legal penaltics which chase in

Art 3. The executive shall designate in the terms of Article-21 of the federal constitution the legal penalties which those four who infrings the procysions of those official states the application of this way. The second attractions which take to the application of this way. The second attractions which takes in which the agents of the second public works may be responsible, the corresponding to the process of the distrest shalf fine missistence in considerable with the respective has. The order may be a supposed to the process of the second products of perial penalties which in each case the administrative below antherity may impose. Vrt. 3. The establishment and location of nulls for the freat

may impose.
The establishment and location of units for the freat Art. 32. The estardishment and location of miles for the treatment of ores and for every class of metallogization of miles shall be governed by the prescriptions of the common Laws, and, in the matter of taxes, by that which the law of the effect dunc, 187,

That part of those tunnels which are situated outside Art, 33. That part of those tunners whoch are situated oriside of appurtenances shall remain evempt from tax when they are destined events (e) for ventilation, dramage or the extraction of orewhich do not originate in of proceed from said tunnels.

# THEE V. TRANSLORY PROVISIONS

Article 1. Those denouncements of names of extensions which are found in procedure when this law goes into torce shall continue and be substantiated and decaded according to the provisions of

and be substantiated and decided according to the provisions of Salac.

Art. 2. Those extensions of spaces existing between mining properties configures on adaptent and which have not been denounced to the tasking effect of this law shall correspond and be granted. These contracts to the exploration and development of the trust who applies for the exploration and development of the properties of the exploration of the exploration of the exploration of the exploration of the ending of the end of the exploration of

noise of this law and its regulations, they shall acquire, and not in perpetunity by hours of the perpent of the below properly server minima concessions. VI. 4. Those mining properties existing and which are found in operation or in protected margin and the commerciance of the disting effect of this law, without? If the not not connecte midel it, shall remain subsistent and them in the object of the law, without it mines shall held their again the affile of the law seems which they have a though they may be not the control of the law of the la

Denominating the maning lawed Mexico means that proceeding to which, under the which, under the first process of the process o

that a mining business be transferred, through whatever title, to that a mining business be transferred, through whatever title, to a third party, said party shall be responsible for all the charges arrsing from the contrasts reterred to, even supposing that from them enamates a suit at law.

Art. 6. Those works which are being excented in the appurence of another in conformity with the legislation in torea annot priceed after the date in which this law takes effect without the consent of the owner of the appurtenances.

#### FINAL DISPOSITION

Article 1. This law shall go into force in all the republic upon the 1st day of July, A. D. 1st2, and from that date the mining of the 22d of November, 1ss3, shall stand abodshed, as most of supplements, amendments and relative provision. Article to the day of the 3d of June, 1ss7, shall also stand abdished from Mexico, June 3, 1se2.

# REGULATIONS FOR THE ADMINISTRATIVE PROCEED INGS IN MINING WALLERS

# CRAPTERL OF AGENTS

ATHERA, OF AGAINS

ATHERA, The special agents, dependents on the ministry of the provision of tile in ministry appoints in conformity with the provisions of Atlebe fron the law, in those mining distract which in the indicated front the law, in those mining distract which in the indicated front the law, in these mining distract which in the indicated front from the conformal distractions and extensions which the provision of the first many solutions which the law and its regulations delegate to them, case of holds concerning the application of the law of the first market the first solutions of the first market of the first solution of case and the ministry of produce the first solution of case and the first solutions. At 2. At the time of making the agent man the first boundaries, as well as my later modification in the same, shall be published in the Dutine theory, the officer of the same of the government.

At 3. In order to find officer on the government and such as the control of the production of the province of the indicated of the production of the province of the indicated of the production of the province of the first the appointed for all vicinity and the appointed of the production of the

one any other other of announced for the same, permory or reperal district permeability of the same agent of public works who is mained an a nor misclostic standard agent of public works with a mained an announced business in the district resulties, said deputies should have the same qualified some as the agents, and they have been point on the agents in all those absorpes of agent permeability of permeability of the same and the same agent agent

is time in it stay of purdic works by final or by telegraph, it there should be one.

Att 7. The agents of public works must give notice to the public of the place in which they will disputely mining matters and to hours when they we discovered to that business, which has not sometime to interrupted exception is similarly sunt and man' his days. Att 8. The regular shall not he tight to receive any test except these which the trephological school for the second masses and provided to a result module, the agents shall consult the mistry of public works becoming amount of test to echarged. Att 9. The agents shall be mistry of public works becoming the distribution of the state of the stat

# CHAPTER II OF EXPLORATIONS

ACL TO ANY INDICATE ALL OF TAXIONAL AND TO ANY INDICATE AND ANY INDICATE AND ANY INDICATE AND ANY INDICATE AND ANY INDICATE ANY INDICAT

Art. 13. The agent of public works, during a period of three months, not to be extended, counting from the date of the nothin-cation referred to mArthele toot this regulation, or of the permission provided by Article 11 or of the administrative decision prescribed in Article 12, shall not admit upon the place of exploration, nor within the limits of the same, applications for concession other than those which the said explorer persons. Some other than those which the said exploration works near to Art. 13. The explorers shall not make exploration works from the external lines of their buildings, articles and multiple said of their

the limits of towas, except at the distance of fifty ineters from the exterior lines of their buildings, private and public, and of their dependences, there is said distance shall be users to with the period to their properties of the properties of the end-of-their properties. The properties of the common roads, radioids and canals, with respect to fortified points the minimum distance at which mining explorations can be made shall be one kilometer, counting also from the exterior lines of the works.

#### CHAPTER III. OF THE CONCESSIONS.

CHYPTER III. OF THE CONCESSIONS.

Art 1.5. The applications for concession of mining appurtunances or of extensions must be presented in duplicate to the respective agent of public works. They shall express with all clearness the number of appurtunances which are solicited, the situation which they are to have on the hand, the location of the hand in the numericality to which it belongs, with the most promunent spits for its identification and the destantion of the numerical spits agent there should not be sufficient clearness, he shall endeavor to obtain at, interrogating the application of the mental properties of the application in his duplicate and in the record-book of the agency, in the presence of the interested party; except that the inability of the latter to give said explanations or his regard to a so, shall not be considered sufficient rousen for not Art, 16. The agent cannot accept any other application for the same tract until the numetry of public works delivers the induces of a velocities of the application in cach proceeding for concession of mining appurtentages or extensions.

nances or extensions.

Art. 47. After an application for a mining conces nances of extensions.

Art. 47. After an application for a mining concession is presented to the agent of public works he shall proceed minediately to register in the presence of the applicant, registering the day and hour of its presentation and also the proper miniber in order of the proceeding, both in the margin of the said application and in his duplicate, which he shall return in due course, and also in the special book of record of applications for concession, also in the special book of record of applications for concession, which he should have paged and authorized by the ministry of public works. The applications should be registered in the exact order of dates and hours in which they shall have been presented, without leaving blank spaces, in the book between the diversen-

In the case of simultaneous presentation of two or Art, 18. In the case of simultaneous presentation of two or more applications for concession of mining appurtenances we of extensions upon the same site, it shall be decided by chance, in the presence of the interested parties, which of the petitions must be admitted and registered.

must be admitted and registered.

Art, 19. Within the three days which tollow the presentation and registry of an application for a mining concession, the agent shall appoint a fitled expert, or, should be not have one in the place, a practical surveyor, to measure the apportenances, and expenses. shan appoint a titled expect, or should be not have one in the place, a practical surveyor, to measure the appurtenances and extensions applied for and draw a corresponding plan, indicating clearly in the same the corners of the appurtenances or extensions expressed, and also those of the contegions appurtenances on churched meters. The agent may appoint sing a radius on the applicant indicates to him, always providing the said expert couples with the necessary conditions.

Art, 20. Within the eight days following the appointment of which the preceding article treats, the expert should communicate to the agent whether he accepts the oline or not, and in the former case what is already attaiged with the applicant regarding the payment of lees. The agent will enter the due acknowledgment in the proceedings. The agent can only extend the aforesaid period of civil days to another eight, and on one occasion only, at the instance of the applicant.

Art [4]. At the time of the entering of the acknowledgment in State (the applicant period of erection are proposed in the proceeding article treats, the agent shall fix for the exhault which the preceding article treats, the agent shall fix for the exhault which the preceding article treats, the agent shall fix for the exhault which the preceding article treats, the agent shall fix for the exhault of the content of the applicant.

instance of the applicant. At the time of the entering of the acknowledgment of which the preceding article treats, the agent shall fix for the expert the period of sets days, not to be probinged, for him to present in applicate the plan of which whole (Psycalks, accompanied) pheate an abstract to contain the following. I. A copy of the application, with a clear and precise specification of the name and residence of the application of the particle and acceptance of the expert appointed. Iff, the name, residence and acceptance of the expert appointed. Iff, the name, residence and acceptance of the expert appointed of the proceedings and the expert appointed of the proceeding of the expert appointed of the proceeding of the expert appointed of the expert appointed of the proceeding to the expert appointed of the proceeding of the expert appointed of the expert appointed of the expert appointed to the expert of the expert of the expert appointed to the expert of the expert of the expert of the expert of the proceeding. The expect of the processing states the state of the expert of

mane. Att. 22. The publication of the abstract, as provided in the preceding attack, serves the same purpose as a summons to all those who may believe they have a right to profest against the application for a mining concession.

Art. 23. The agent, upon entering the acknowledgment of which Article 2 at tents, shall deliver to the expert a certified copy of his appointment, which shall conclude with the warning, that who showed the shall be held accountable under the penalties established in Article 20 of the penal code of the federal district, or in the corresponding provisions of the laws of the states. Art. 23. If, in fact, the experts, in the excention of the work of which the preceding article speaks, should encounter resistance, they shall request the aid of the focal authority.

Art. 25. The experts, are obliged to here discontine resistance, they shall request the aid of the focal authority.

Art. 25. The experts are obliged to here discontine resistance, they shall request the aid of the focal authority.

Art. 25. The experts are obliged to here discontine resistance, they shall not experts in the written information of which Article 21 treats, the presentation of which, within the period there fixed, is of the personal responsibility of said experts, to whom shall be charged all the damages and injuries which may originate in detault of presentation of that document or of the plan.

Art. 25. Only during the four months fixed in Section III of Article 21 treats are considered in the collowing reasons. It. Dissent of the owner of the soil. II. Invasion of appartenances or extensions solicited, or for a part of them.

Art. 27. The agent, after he receives a protest against any application, whill give notice of the same to the applicant by publication, during three consecutive days, on the bulletin-board, of the mains of the opponent and applicant, and of the serial months of the part of the control of the same to the applicant of the applicant of the applicant of the agency and declared the part of the paper.

Art. 28. These the application the agent will order the final and of the expert.

Art. 29. On the same day on which these documents are received against the applicant of the information and land of the expert.

pain of the expert.

Art. 29.—On the same day on which these documents are received
the agent shall summon the interested parties to a meeting, withthe agent shall summon the interested parties to a meeting, which the lifteen days following, by means of a notice posted for three consecutive days on the bullethi-board, which shall express plaining the number of the proceeding, the names of the interested parties and the day and hour of the meeting. At that meeting the agent shall endeavor, before all, to reconcile the differences and avoid legal complications. Of all these particulars due entry shall be made in the proceeding.

shall be made in the proceeding.

Art. 30.—It the opponent should be the owner of the soil, and in Art, 30. If the opponent should be the owner of the sot, and in the expert's information it should appear that there are indica-tions of a mineral deposit in the surface, or any work of explora-tion in the said deposit, the agent shall continue the proceeding until its termination, in order that the ministry of public works may issue to the applicant the respective file, providing that the said thue, an conformity with Artheles 7 and it of the law, either is sometime of the publication of the providing that the said that of the law, either is said thie, in contorinity with Artheles 7 and 11 of the law, either is understond solely with respect to the subsid, or finally leaves subject to pulleful decision the extent and the price of the surface which the inner is to seeing. The agent, at the end of the which the inner is to seeing. The agent, at the end of the first the inner step agent is the end of the inner step agent is the property of the first the inner step agent is the property of the first the inner step agent is the tribunals in contorning with Arthele 20 of the law.

Art, 3t. In any other of the cases of opposition enumerated in Arthele 26, the agent, at he should not obtain the reconciliation provided for by Arthele 29, shall suspend all proceedings and shall deliver the proceedings of the applicant, in order that, upon his own responsibility and within the proper time which the agency first instance.

first instan

first linstance.

Art. 22. It any opposition be presented founded upon a cause diverse to those enumerated in Article 26, the ageing shall be functed to anchole the matter in the proceeding without suspending the continuation of the same.

Art. 33. If the opposition should be presented after the receipt of the plan and the information of the expert, but before the expiration of the four months fixed in Section 11 of Article 21, then shaft be continued in the conduct of the case the proceedings provided for in Articles 20 to 32, this being the only case desides that or remission to the trobunds in adaptive greater besides that or remission to the religiously being the only case desides that or remission to the religiously for a first providing the opposition be presented less flant twenty days before that on which the said four months would expure. would expire

The four months having passed of which Article 26 Vrt. 34 Art, 34. The four months having passed of which Article 28 seaks, without there having been opposition, or having arrived what would be the case foreseen by Articles 30 and 32, or the proceeding having devolved upon the tribunals, with excention in Layor of the applicant, the agencies under their structed responsibility and within the fifteen days following shall take out a copy of the proceeding and remit it, with copies of the plan, under registered cover, to the ministry of paties works, unless the applicant wishes to be intrusted with the delivery of these documents, in which case the agency shall advise

times the apparent wishes to be filtrifised with the carvery or mainstry.

The applicant shall take care to hira shall advise the mainstry.

The applicant shall take care to hira shall advise the mainstry of public work, an order that he may remail them to the mainstry of public work proceeding and the plan for in which is sends the copies of the proceeding and the plan the stamps which the rather requires, which shall be returned to the interested party, through the agent, on the event that the inmistry, by not approving the proceeding, does not grant the falle. It the applicant should priver it, he mainstry of public works the stamps referred to.

Art 36. Any omission in the presentation of petitions, in furnishing of stamps, in publication, in payment of toes, in attendance at meetings, and in general in whatsoever of the proceedings which this chapter dosagnales, as they may be imputable to the applicants or to the opponents, shall stamps, to the former that they have withdrawn their application for a concession, and

for the latter that they have withdrawn their opposition, and an conformity with these pretensions that they have acknowledged the application as valid.

the application as valid.

Art. 37. The proceeding having been examined in the ministry of public works and approved by that department, and department shall proceed to the issuance of the title and to its remission to the agent of public works, in order that he may deliver it to the interested party, with a copy of the plan, stamped by the ministry of public works, which department shall gave to the return state of the consession grained. If the proceeding should not be approach, the corresponding faults observed may be rectified within the time that the ministry may signify, provided these faults cannot be imputed to the applicant of the agent as the proceeding must be in conformity to the provisions of Virtice 19 of the law.

#### CHAPTER IV. GENERAL DISPOSITIONS.

CHAPTER IV. GENERAL DISPOSITIONS.
Art. 38. The duties which the expert appointed in conformity with Article 19 has to perform shall be exceeded in such a manner that, by the necessary scientific proceedings, the horizontal length of the sides of the appurtenances and the angles which the same form with the true meristan may be obtained. For this purpose the expert shall determine the magnetic deviation of the compass, in case this instrument is used to incusture the directions of the sides. The boundary lines and corners shall be marked by fixed monimum which have been proceeded in the corners and the compass, which may be incominced for reference, and the monimum should be signate upon the ground where the respective landmarks should be constructed in accordance with that which is prescribed in Article 11.

Art. 39. The plans of the anometerances shall be drawn con-

Vrt. 39. The plans of the appurtenances shall be drawn eor

Art, 39. The plans of the appurtenances shall be drawn correctly and with neatness, upon strong paper, for the persor vation of the persor vation of the person of the persor vation of the person of the person of the person of the person of the depend and proportioned to the object of the plans, continuing also the lengths of the sides in meters, the directions of the same with relation to the trumerdian, the dip of the compass used, with the date upon which it was determined, and the agree of the surface in hectaries.

Art, 40. The survey and measurement of the appoint chances in the land do not might be right to the occupation of same, and the land how the properties of the properties of the person of the land, in order to negative by prefaces, with near venture of the land, in order to negative by prefaces, with the same surveyed for the appurtenances, in the case of places on superficial deposits, or otherwise preserve the same by appropriation, preserved the corresponding parameter of the tibunal, and the person of the properties of the designate points essentially magnificate, as long as the limits of the appurtenances or emessions which they shall be constructed solidly and shall always be preserved.

they shall be constructed subtly and shall always as presented in good condition, making upon them such regards as shall be necessary. If, they shall be beated in number and postero conveniently so that nevery ease the preceding and the following one can be seen from each, and in form, color or some other character should be distinguishable from those of the adjacent apportenances.

The owners of manife concessions cannot go outside Art. 42. The awards of mining concessions cannot go outside of the boundaries of the same according to the provisions of Articles soft fit has a except when there is tree land and previous application for extension before the respective agent of public works, who shall conduct the proceedings on the same terms and with the same requisites as those which are established in this beginning concessions. The same proceedings shall be pursued in the furtherance of applications for rectilication of coordination.

ne pulsated in the intrincrance or applications for rectineration of purpositions. At 4 a. The immetal substances seminestated in Arthebert the Marketine be exploited without previous confession, and, there we also be exploited without previous confession, and, there is a substances, which are not tomal protected by a begal table, duty substances, which are not tomal protected by a begal table, duty registered to insequently no table will be permitted, either open to the air or subterrancous, which has not as object the time exploitation of any of the substances mentioned.

VI. 44. Everly application for concession to exploit any of the motival substances in dyseculed in Arthebert below, and which the owner of the soil, shall be reported.

VI. 45. In order to obtain the begal reint or use reterror to section 1A of Arthebert 2 of the law, the application for the localistic behavior of the former of the substance of the former of the conference of the former of the conference of the former of the order of the order of the former of the conference of the former of the order of the order of the former of the order of the former of the order of the render his decision

tender his decision:

VI. 6. The owner of appurtenances which would be hencifted by a legal right of use, who does not obtain the consent of the owner whose property would be burdened by the same, shall apply to the ministry of public works, in contorinity with the provisions of Section AVA of Article 12 of the law, accompanying the application with all the necessary data. The ministry, in view of the report of the respective agent of public works, and previous hearing granted to the dissenting party, or to his representative, shall render his decision within the time which he shall design etc.

in accordance with the circumstances of each case.

Art, 47. If he who solveds it or he who ought to grant the right to which is reterred in Section XIV of Arthe 12 of the has does not agree with the decision of the ministry of public works, he may appeal to the respective judge, provided he does so within a time which does not exceed two months from the date of the administrative decision.

administrative decision.

Art. 48. In those parts of the republic which are not included within the jurisdiction assigned to an agent of public works in the branch of imming, the applications to mining concessions, as also the notices and instruments granting permission or exploration, tailthe presented to the postmaster, who shall note upon

tion, shall be presented to the postmaster, who shall note upon the application, or the notice, or the instrument of permission of exploration, the day and hour of the presentation, and shall give numediate notice to the ministry of public works by mail, and by telegraph, if there be one. Vr. 49. The postmaster can only receive and note the applica-tions for concession, and the notices and instruments granting permission of exploration, to which the preceding article refers, in case that the place of his residence is outside of the jurisdiction of any agent of the ministry of public works in the branch of

in case that the place of his residence is outside of the jurisdiction of any agent of the number of public works in the binach of number of the form of the federal official publish every statistics. The ministry of public works shall publish every statistics in the binario form of the federal official paper, the robot of the littles of mining projectly issued during the said sensester. Art. 3. The special book, of which Article 2 of the law treats, shall be kept by the persons prescribed in Article 1s of the law treats, shall be kept by the persons prescribed in Article 1s of the content of the con

communicating his decision to the numster of the freasury

#### CHAPTER V. TRANSIDORA DISPOSITIONS

#### Applying only to the taking effect of the new law of 1892

Applying only to the taking a fleet of the new law of 189; Art. I. Beregarits shall receive, see per strict intentory, the proceedings which exist in the offices of the mining deputations, or in those offices which have everies of their authority, and to all unfinished peace-dings they shall gave due course in contournty with Virole 1, Talle V, of the law.

Art. 2. Every denomic enemy which is bound in the course of publication shall be pasted agon the buffer in boards, after which the agency shall comply with the praximous of Articles P and 28, then in the office of product of which they are the publication from all to officed periodical to which Articles P and 28, Vet 3. In those roce of my office of the moment in which the practice of the agency of the agencies with the agencies with the agencies of the agencies of the agencies with the agencies of the directions between mind 1 terms as the agencies for conservation the safety of the directions and the agencies of the directions and the agencies of the a

As a supersystem of the manner as an above applications for constalling proceed in the manner as an above applications for constalling and the supersystem of the associated of the agreement of the application and strong the following proceed to associate and advantage of the application at the nature and residence of the denominer, and the register and the case III. The internation of the expect III. Notice that a period of two months and to be extended count from the olds of the abstract, where open nor the substantiation of the proceeding in the agency. The agents shall gave to these two copies of the abstract the destination had done in Arrivele 21. At the Inthuse cases of demonster near in which opposition has already arise in the interval of the proceeding and the approximation of the abstract when their in which the provisions of Arrive's 28 to 25 in the agency of the three processes of Arrive and the approximation of the abstract areas of the abst

shall be observed, and the provisions of Affiches 28 to 20 in the cases to which they appear to be easily to the provision of the process to the first three appearances in the adversarial to the end of the end

TARIFF FOR THE PAYMENT OF FFES TO THE AGENTS OF THE MUNISTRY OF THE ILL WORKS IN THE BRAIN II OF MINING.

MRISTAN OF THE PAYMENT OF FERS TO THE AGENTS OF THE MINISTAN OF DELTA WORKS IN THE ERROR OF MINING.

1. For the annotations in the notice or in the permission of exploration, to which Articles to and 11 of the ordinance for the administrative proceedings in the branch of mining refers, and for the corresponding registry. St.

11. For the proceedings and the issuance of the permission of exploration, to which Article 12 of the said ordinance refers, §2.

13. For the proceedings and the issuance of the permission of exploration, to which Article 12 of the said ordinance refers, §3.

14. For the proceedings and the issuance of a mining concession of the making the corresponding recent, §3.

15. It is not a proceeding and a proceeding and in addition to cents for each ten lines or fraction thereof; and in addition to cents for each of the fiftle pages, which cover the proceedings and other documents which must be abstracted.

16. For the transcription, collation and authorization of the evidence and certificates, and for older copies, at the rate of \$1 tor each hundred lines or fraction thereof.

17. For the scarch of proceedings or whatsoever other documents from the record, \$1. When the interested party does not unrish suithelent data, and he has to register corresponding documents for more than one year, \$1 for each year which is register, each kilomotro of a common and for each year which is registered.

VII. For each kilometer of a journey, and for each one of the return, which is traveled in the transaction of any business, 25

cents.

VIII. For an ocular view or exterior examination, rendering
the corresponding information (85).

IX. For the inspections, visits or examinations in works below
the surface, 85 for each one buildred meters or depth or fraction
the surface, which are encountered said works, and 85 for the corberrow if which are encountered said works, and 85 for the cor-

responding information.

For attendance at meetings which do not exceed one hour st; and for each hour additional or traction thereof, \$1.

Liberty and Constitution, Mexico, June 25th, 1892.

#### MINING TAX LAW OF JUNE 6, 4892.

Article 1. In accordance with the provisions of the articles relating to the new unning law, there shall be established a federal property fax, which shall consist of two parts, one part, which has to be paid one only, in stumps to be affixed to all titles of mining property, and the other part, which has to be paid annually, for each one of the appurtenances of which a concession is composed.

is composed.

As regards the tay, the appurtenance or unit of concession shall be the one established by Article 14 of the new mainic hay. Consequently all old and new appurtenances existing in the republic, whatever be then extent, shall be valued according to this unit.

For the fractions of appurtenances that amount to one-hall or more, the tay shall be paid as it they were whole appurtenances, and nothing shall be paid for the fraction that is less than one-halt.

half.

Art. 2. Every owner or actual proprietor of names, whatever tithe he may have, shall be obliged to present his documents to the other of the treasiny which the regulations of this law may determine, within the time, not to be extended, counting from the taking effect of this law to the 3st of October of the present year so that the new stamps of awarenship of the mines may be affixed to that the new stamps of awarenship of the mines may be affixed to that the new stamps of awarenship of the mines may be affixed to that the new stamps of awarenship of the mines may be affixed to the the stamps of the stamps of the stamps of the stamps of the works will extend in accordance with the new mining law must bear the takings corresponding to the same. These stamps shall be in principled by the party recevang the concession and shall be in principled by the party recevang the concession and shall be in principled by the party recevang the concession and shall be in principled by the principle of the stamps of the property, one for stamps have to be almost a stamp of the property, one for each appurtuance of the thousand square meters. The rule escapibled in Arthele I to be followed as regards the tractions.

These stamps have to be canceled by the others of the treasury authorized to receive the titles which were extended up to the office of the stamps of the present year, the number of public work earlier has been belonging to the titles which are extended in Art. 4. From the tst of July of the present year, all owners or propietors of mines shall be obliged to pay the sum of \$0 canimally to each one of the appurtuances of which there consessors, are composed.

The amount of the toy shall be the same, whatever is the nature. Art. 2. Every owner or actual proprietor of names, whatever title

The amount of the tay shall be the same, whatever is the nature of the substance which is being worked in the understanding of the substance which is being worked in the understanding that the nume has been acquired through demonstenent or by special concession before the date on which the new maning law takes effect, and that in turne it shaft be acquired by concession and title in accordance with the new law gayment of the animal contribution on appurhenances and of the stimps on the titles of the property, which have been expressly freed from the same by contracts, and with the executive government in virtue of the animal virtue of the substance of the subst

In Mexicolayear is livided into three parts of four months each, in-stead of quarterly as in the United States.

to make their payments without further need of notification or any other requisite on which they might found delay or excuse. Art. 6. Failure of presentation of the title which seemes the possession of the mine within the time fixed in Article 2 shall be junished by a fine equal to the amount of the stamps which the title has to lear, if the same be presented within the two nonths following the expiration of the time allowed. For every two nonths more that the presentation is delayed, the holder shall in the content of the amount of the stamps.

months more that the presentation is delayed, the holder shall mean a fine equal to the amount of the stamps, and the concentration of the number of appurhenances, but he purchase the concentration of the month of the concentration of the control to have been for the concentral appurhenances, to which shall be added double the amount of the annual tay for the whole of the time the same has not been paid. This shall not interfere with the civil or criminal responsibility to which the concenter is fable and to which he may be subjected in due time.

Failure to pay the annual property tax within the first month or each one-third part of the year shall cause the owner to mean or such one-third part of the year shall cause the owner to mean case he pay during the second month. If the payment be made in the third month, the fine shall be equal to the amount of the tax. When once this last-named space of time has expired with the fax and accumulated lines being paid, the mining property shall be lost to the owner without recurses whatsoever. The department of the treasury shall make the corresponding declaration and shall pass the same in the Dirici oficial, so that any cannot shall pass the same in the Britis of the same he shall give the respective notice for annotation in the register, and the bill of sale which is given shall bear the stamp which according to the stamp tax it should have.

Art, 5. When the owner of the mine sells the same, he shall give the respective notice for annotation in the register, and the distribution of the property of the stamp tax it should have.

Art, 5. When the owner of the inities sells the same, he shall give the respective notice for annotation in the register, and the constraint of the property of the stamp tax it should have.

to the stamp tax a snound naive.

Art. 8. In ease if no longer suits any person or company to containe working the mine or immes which he or it may possess, the respective office of the treasony shall be advised in writing, so that the tax may be settled up to the date of the notification and the corresponding annotation be made in the register

# REGULATIONS OF THE MINING TAX LAW OF JUNE

#### TAX UPON MINING PROPERTIES.

Article 1. The tax established by this law is applicable to the mining properties now existing or which may be reafter be an interior by the ministry of public works in conformity with Article 3 of the law of the 4th of the current month. The mining properties defined in Sections 111 and 1V of Article 1 of the mining code of November 22, 1884, are, in so far as refers to taxes, not subject to the present law, being ladde only to that dated June 6, 1887, and such others as may be now in torce.

Art. 2. The tax upon titles shall be paid by affixing to the last deed of transfer that may be presented by the interested party the corresponding amount of document and book stamps in contournity with Article 3 of the law, the same to be canceled as therein prescribed.

the corresponding amount of document and book stains in contentity with Article 3 or the law, the same to be canceled as therein prescribed.

Art. 3. All owners and present holders of mines comprised in those referred to in Article 1 are obliged to present to the proper agent of the treasury in the states or the territories within a term which shall not be extended, expiring on the 34st of October of the present year, and under penalty of the fines which may be the present year, and under penalty of the fines which may be reduced a state of the present owner or possessor being the assignee of the owner of help and, in such cases, that of the company and its manager or representative; the location in duplicate under outly, which shall express in detail the name and place of residence of the owner or holder, and, in such cases, that of the company and its manager or representative; the location and extent of the appartenances and extensions in contournity with the latest measurements, expressing whether these are contourned to the presentation of the presentation of the terms of Arthele 14 and Transitory Arthele 4 of the law of June 4 hot the current year, and the reduction the petitioner may desire, if any, in conformity with Transitory Arthele 4 of the law of June 4 hot of the internation of the fifther power of the conversion of the nume and the justification of the exactness of the conversion of the nume and the justification of the exactness of the conversion of the nume and the justification of the exactness of the conversion of the appartenances into be observed.

ading arrive master its sole object the identification of the importenances into hectares.

Art. 5. The oblicers maked in Article 3 will return numediately to the interested party the diaplace of the declaration, after that to the interested party the diaplace of the declaration, after the propers and another than the propers among was presented, another the last title the propers stains.

Art 6. Within three days subsequent to that on which the agent of the treasury may have allowed the stamps, the documents or proceedings shall be forwarded to the treasury department, together with a report in which such often shall present and substantiale its opinion as regards the exactness of the declaration made by the person interested.

Art. 7. Upon receipt of the documents or proceedings by the treasury department in the manner cited in the last preceding article, the latter will determine, after having produced such instination thereon as a largy deem essential, whether the declaration shall be accepted or rejected.

Fytract from Article I of the mining code of No. 22, 188 and the Fytrace I II. Wetdlargical works and sites for their exection, including under the first designation all industrial establishments of mining in which by any kind of pracess are extracted some or these states which is any kind of praces are extracted some or these states are the state as specified in Article 3 of this article 11th small substances are the same as specified in Article 3 of the new law TRANSLATOR 1 So. 1V. The waters extracted from the mines und those that may be needed for drinking by workinea and animals for motive power or for any other uses in mines on metallulized works.

AII. 8. As provided for in Article 6, should the department find the declaration to be exact, it will return the titles to the proper agent of the treasiny in order that he may deliver the same to the interested person and certify upon the displace re-turned to the interested person and certify upon the displace re-view of the proper state of the consideration of the interested party exact, it shall determine the num-ber of appairtenances for which the proper stamps must be paid. Art, 19. Within three days subsequent to the notification to the interested party, in the event provided for in the foregoing article, the latter shall manifest whether or not be contours to partment, it being underestood that his mecapitains thereon will be laken for granted should notice to the contrary not be received within the term indicated.

taken for granted should notice to the contrary not be received within the term indicated.

Art, 11. Should the party in interest not be satisfied with the lamber of appartements determined by the treasury department the latter shall designate an expert, who, with the documentary proceedings in his possession, will make an examination of orty days a report thereon which shall be employed by the said department as a basis upon which to render a definite decision in the nortice.

matter, rf. 12. Basing the same upon the report made by the expert rf. 12. Basing the same upon the report made by the expert the matter.

Art. 12. Basing the same upon the report made by the expert appointed, the treasury department will reider a definite decision in the premises, returning the proceedings to the proper agent of the treasury, where the stamps corresponding to the amount lacking will be duly affixed and a memorandum made of the animal lacking will be duly affixed and a memorandum made of the applicate declaration. In the event of cause existing theretor, the petitioner shall be bound over to the proper pidenal authorities conformity with Clause II., Virheles, of the law of Jimes a 1822.

Alt. 13. It may conesson which may hereafter be authorized by the ministry of public works, after having duly affived to the fulls.

Att. 13. Thany concession which may hereafter be authorized by the unistry of public works, after having duly affixed to the fifthe the proper stamps, it will render to the treasury department the information prescribed in Article 37 of the regulations of June

information prescribed in viriete a or the reginarious or one 25, 1892.

Alth. The grantees of numeral zones not desiring to avait and the privileges conceiled to them by the second part of ransistors of the privileges conceiled to them by the second part of ransistor, and the content in out for a content of the region of the present regulations, and in which they will also state the date of then respective concessions and whether or not they have meet porated within the limits of such zones numeral appearance meet porated within the limits of such zones numeral appearance of the present property of the declaration field with it in contoming with the prescriptions of the presenting article, will request a report thereon from the department of public works, tendering its decision in accordance with the internation communicated by the latter department, and issuing to the party in interest a certificate covering the effects operating in pursuance of the pravisions of the final paragraph of Article is of the law dated the 6th instant.

pursuance of the provisions of the final paragraph of Article 1 of the law dated the 6th instant.

Art, 6s. For the same purpose, the grantees of zones who may hereafter meorporate within the limits of such zones apparet names different from those concoloid by their contract are re-quired to present, within eight days subsequent to that on which such meorporation has been the ministry of public works that such meorporation has been the ministry of public works that such meorporation has been the ministry of public works that such meorporation has been the ministry of public works that to the treasury department, which latter deport ment will issue the certificate provided for in the foregoing article.

Art. 15. The annual fax referred form Article For the law will be collected by the stamp others in necordance with the laws of March at, [83, and Joseph et al. 84], and Joseph others bearing thereon now in face, and is payable in interfer test stamps, the face thereof to bear an impunit, diagonally placed thereon read

time thereof to be a map introduced in the tent samps, the may exhibit the samp officers will receive, as sole fee, two percent of the gross amount replaced from the sale of stamps for the payment of the annual mental fax.

Art 18. The stamp officers will keep a register of the images situated in their respective districts, by and of the data which the treasury department will furnish for that purpose.

Art 19. The stamp officers will keep a register of the images situated in their respective districts, by and of the data which the treasury department will furnish for that purpose.

Art 29. The owners of holders of nime swill make their pay ments in the principal or district valetas office corresponding to that in which such names may be located, the treasury department, lowever, may modify this rule in instances where it may be included in the principal of the principal control of the second in the color of the principal stamps of the district within which the name is straiged.

Art 21. The principal stamp officers will require the sub-office section.

to the proper tax office of the district within which the rune is situated.

Art 21. The principal stamp educers will require the sub-ofices of ageneies to betward their opportunely the study of the stamps sold for each mine affixed to pages on which they will state not the stamps between sold and whether the safe corresponds to the stamps have been sold, and whether the safe corresponds to the state property detailed on the tiles and indicated on the diplicate the root estimated wave contained with Articles and 17.

On receipt of these pages or sheets by the principal stamp officers, they will communicate the ract to the thermay density ment, to which they will also toward, at the and of each bessel year, all such stamped pages or sheets because our expending to the stamps of the stress of the stamp of the stress of the stamp of the property in the stamp of the property is a stamp office will define to understed particles a printed telect of placial containing. I the title or head they should be stamp office will define to understed particles a printed telect of placial containing. I the title or head they should be stamped to the state and municipation to which the office issuing the telected of placial containing. A fine fine of the name is unifier of apportremenses for which the lax is paid manie patry in which the state and name patry in which the state is located name of

owner or company which may be an possession thereof, and the registry number of the titles. A. The amount payable for each property of the stamps corresponding to each third part of the year, which stamps are to be only canceled.

The interested parties are required to place the tacket or placard to make a company of the order of the office of the management or owner of the maning properties, with the stamps accreding the payment affixed thereto.

Att 23. Upon any fax payment becomes the assproaded for that such payment has not been satisfied, if will communicate that such payment has not been satisfied, if will communicate that such payment has not been satisfied, if will communicate that such payment has not been satisfied, if will communicate the fact to the agent of public works, in order that the latter may during one month, by a nobse thereof on the buildem-board men-tioned in Article 20 of the regulations of June 25, 1822, which no-line, as regards the creditors of the mines, will operate as a cita-tion to avail themselves of the prayleges indicated in Article 25 of the company of the payment of the agency of public works. Att. 24. It within the district of any principal stamp office there-should happen to be no agency of public works to which the notice mentioned in the preceding article can be given, the said principal stamp office will notify the creditors of the names through the respective district count, ascertaining previously in the proper

principal stamp office will notify the creditors of the names through the respective district court, ascertaining previously in the proper commercial regards office the names of such creditors. In the property of the fact and the fact still remaining in pand, the principal stamp offices will immediately advise the treasury department in order that the latter may dione declare the loss of the property, and the numbery of public works dis-pose of the name. This radius will be published in the Durin-

The notice prescribed in Article 7 of the law will be Art 25. The nonce presented in Article Cot the law win one made in writing by the party in interest, to the principal stamp office through the proper local sub-office of agency. The principal stamp office will advise the treasury department thereof for entry in the register.

entry in the register. Vt. 25. The notineations referred to in Athele 8 of the law will be made also as prescribed in the last preceding article. The principal stamp office will transmit the same to the treasury department, that the latter may make entry there of in the register produced by the produced of the produced by the produc

#### TRANSITIORA PROVISION

For the present year only, the payment of the tax installment maturing in July next wid not be required in that month, but can be made any day during the months of Vasust September and October, of the two installments which will nature on the 30th of November next may be effected longther previous to that date. Mexico, June at 189,

#### LATELANATORY CHRILLAR No. 19

AVITANATORY CIRCLAR No. 19
With the object of objectanting any difficulties that in glit arise in a different localities of the national territory in complying with the previsions of Ariseless and corf the regulations of June and has properly so the state of the theorem with the complex of the continuous of the following the continuous of the continuous of the following of the continuous of the continuous of the following of the continuous of the continuous of the following of the continuous o panied by the report which he must reinder boaring on the accuracy and hunds of the dependences, to the proper agent of the treasury, an other that the latter, after making the necessary of the treasury, without muther procedure, carry out the provisions of All cleek of the regulations. The agents of public works will be carried to after and carred the strains, which the have prescribes, on the original titles, retain in the latter in their possession until fund decision is made when they shall be retained to their owners with the respective number and date or early in the register of religial mannar taxes indeed the continual which will be duly transmitted by the proper agent of the freeze and which will be duly transmitted by the proper agent of the freeze and so the freeze and the freeze and the freeze are the second of the freeze and the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the proper agent of the freeze are the continual transmitted by the freeze are the freeze are the continual transmitted by the freeze are the continual transmitted by the freeze are the continual transmitted and the freeze are the continual transmitted by the continual transmitted by

#### MINING TAX TAW OF HINLS 1887

Whale I. Mer the periodication of this are the mores of stope coal, of all Arraches those of perfection and those of tending to the Arraches those of perfection and those of tending in the Arraches those of the same of table indicated the manufacture of the Arraches the same of table reduced questions in liquid form, the product of the form of table reduced and managinal rays, everythen the same of table reduced and training and table, and the same of the Arraches are the Arraches and the Arraches are the Arraches and the Arraches and the Arraches are the Arraches and Arraches

Quicksilver of whatever origin shall be free from all

AGA, A. Quiessaver of whatever origin small be free from an charges, of whatever kind they may be.

Art, 4. Such mines as are not excepted in Article 1 and the products thereof shall only pay one single tax, in addition to the federal tax on comage, which shall be computed upon the value of the ore or of the substances that may be exploited, without deduction of the expenses, and which shall never exceed two percent of said value.

of the ore or of the substances that may be exploited, without definition of the expenses, and white shall never exceed two percent, or said value, and the poleen of in the preceding article shall belong to the state in which the infine may be situated, or to the teleration, when the mine happens to be in the teleral district or in the territories. For this reason the amount thereof, within the limits that are here designated, shall be fixed animally by the respective leadslatures of the states, or by the congressed the minor in its case, with regard to the necessities of the transition and to the protection that should be accorded to mining, and to the protection that should be accorded to mining, and to the protection that should be accorded to mining, and to the protection that should be accorded to mining and to the protection that should be accorded to mining and to the protection of the state in which they may be stuated or to the federation, at they are situated in the following cannot be passed, up to 58 per thousand, upon the value of the real estate and the machinery.

Art. 8. Als already established, the federation shall receive the foregoing articles, are to be level by the states.

Art. 8. Any other tax, by whatever name may be given to it, except that of stamps, upon the extraction, production or profits of metallurgical varieties, or in the shares and bonds of names, or of any kind of metallurgical works, or in the shares and bonds of names, or of any kind of metallurgical works, or in the shares and bonds of names, and an estating-cal works, or in the shares and bonds of names, we of the shares that relate to them, is absolutely norminised by this

fer of ownership of imming property and of metallurgical works, or of the shares that relate to them, is absolutely prohibited by this

Art. 9. It is forbidden to the states to levy taxes on denounce ments, possessions and other formalities necessary for the acquir-ing of mining property and of metallurgical works, or upon the organization of mining companies and the issuance of the stock or bonds thereof

(Article 10 has been abulished by the law of 4892.

bonds thereof.

[Arthele to has been abolished by the law of 1892.]

Art. 11. During the term of fen years all establishments for Art. 11. During the term of fen years all establishments for the feel and piscopilline shall be free from all relevant possible of the stablishments must subject themselves to the exemption, such establishments must subject themselves to the conditions that will be fixed in the regulations relative thereto.

Art 12. The executive is authorized to contract with railroad companies for the reducing of freight charges upon the national products intended for exportation according to the following consistions. Art for executive shall animally designate in the budget the quantity of money necessary to pay the sum that the continuous art for preserve for the services they may render according to the stable particular to the proper measures, so that the exporters in subjection thereto may empty the advantages that are conceded to them. c. Such products for exportation as are destined to empty the said reductions shall be divided into four classes, in which according to the importance that they may continue acquaints, the executive shall place their every two years, publishing the said classifications with the autoepition. with due antiemation.

LAW OF JUNE 6, 1887.

AUTHORIZING THE PURCHASE OF A PROCESS FOR BENEFICI-ATTING ORES.

Article 1. The executive is hereby authorized to acquire, by a contract of purchase or of use, a process for the beneficiation of ones that shall especially apply to those of gold and silver, and which shall fulfill the following conditions: 1. The loss in the treatment shall not evered two per cent, of the contents of gold or silver in the one. 11. The cost of the treatment shall not exceed 85 for every ton of ore. 11. The cost of the machinery and apparatus to treat one thousand tons of ore per month shall not overeight \$200.

Art. 2. The executive is equally authorized: Art. 2. The executive is equally authorized: 1, 10 concents an especial patent for any term, in to twenty-five years, to the inventor or enterprise that shall plant the said process in this country. If, 70 concede to the same parties the introduction, free of duties for the time that the patent may last, and with due functions, or the following articles: a. Materials that are to be exclusively employed in the construction of the machinery and apparatus for the beneficiation. b. Machinery and apparatus be exclusively employed in the construction of the machinery and apparatus for the beneficiation. A, Machinery and apparatus for the elaboration of the reagents that may be used in the process, c. The reagents that are employed in the beneficiation, while they are not produced in this country in such quantity as is necessary for the needs of the process, according to the estimate previously made by the enterprise and approved by the numerical probability of public works. All such importations shall be subject to the rules and inutations that may be laid down by the secretaries of public works. All such importations shall be subject to the rules and inutations that may be laid down by the secretaries of prise an examption from all taxes except the stamp tax, during the twenty-live years, for all the capital that may be invested evaluated by in machinery and in apparatus for the beneficiation and for the production of the necessary reagents.

Vrt. 3. To agree with the enterprise as to the highest royalties.

Art. 3. To agree with the enterprise as to the highest royalties that it can charge for the use of its process, taking for a basis the

economy that may be occasioned thereby.

At the time of granting the patent and of conceiling the exemptions to which the preceding articles reter, the exec-utive shall have power to stipulate that the treasury shall receive a certain percentage, that he may consider just, of the royatives that the enterprise may collect from such persons as may make use of their process, and a like proportion of the profits that may result from the ores that they may work on their own account and for the account of other parties.

and for the account of other parties.

Art 5. The executive will be carreful to stipulate: 1. That the apparatus and machinery shall be made in this country. 14. That the carreful content is a first shall be made in this country. 14. That the enterprise shall sell the same to any person who may solicit them for use in this republic, it a price not to exceed that mentioned in Article 1, and with the understanding that the extent of treatment and the loss of the precious metals shall not exceed that designated in the same article, under the guarantice of the enterprise. 111. That the enterprise shall not charge for the use of the process, to anyone who may wish to employ it in this country, any royalties except those designated in the contract.

Art. 6. In case that the executive acquires the process by a contract of purchase, he must submit the same to the approval of congress

# LIST OF

# MINING COMPANIES AND OPERATORS

IN THE

# UNITED STATES OF AMERICA

(SEE ALSO SUPPLEMENTARY LIST, PAGE 417)

# ALABAMA

# COAL BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTE- AND SHIEPING POINT	NALE COMPANY CANDADA A LOCATION OF PERS TRANSPORTED, NAMES OF ORDER LAND CONTROL OF MARKET OF THE PERSON OF THE
Town 580 Corsas	
Adger "Jefferson Ry 408.	De Bardeleben Coal & Iron Co., Besseiner, Ala. H. T. De Bardeleben, prest. David Roberts, v. prest. Andrew M. Adget seek and trens. Cap 85k, Suggraphy. Henryellen. Slopes, 16, 5, clones steam, 280 roke overse, vapardy tre/75 forms. L. W. Johns, 8, ad.
Aldrich Shelly Ry, 240	Montevallo Coat's Transportation Co. W. L. Aldrach, prest, and ingr., J. L. Meconaughy, treas, and seeverap, sta, 8,00,000. Montevillo., Slope, 40,000 fors, steam., W. L. Aldraci, supt.
AlexanderCity Tultapoosa Rv. Gadsden 246, 468.	O Christopher, Gadsden Ala, Little Gem., Slope, epoctons, steam., Alt. Rolands, s. pt.
Errmingham Jefferson Ry 240, 280, 751, 408, 422, 622	Telipse Coal Co., John J., Reutto, 1983. and 162t. Hovaria G. Cocalet. Socy. and treas. Cap. Sugger. Lelipse. Socy., Transcripts. Steam. Thomas A. Baker, 8-4?
Blueton, Bush Ry, 230, 408.	The Californ Coal Maring Co. I. II. Andred, prest and teast, John Grob, see C. Gardela Schalle A. prest, and high Coal St. Kalonove. Symmetry, separational staff Topon lone. Strain Sursact, 467 code covers us, capacity to appeal one. P. B. Themas, supt.
Blossburg, , Jefferson Rv, 622	Sloss Iron & Steel Co., Eitherigham. Mar. Thomas Sodder, prest. W. L. Smis, seev and to as. H. W., Petry, m.r. Cap., stk., 8550000. Blosslear. Open p.t. dr.dt. 26000 fons. steam horse breaker C.P. Beldom scall.
Brookside Actionson Ry, 622	Sloss Rena Steel Co., Edit inglam, Ma., Laomas Scotteta, are st., W. L., Saos, sorveating recast. H. W., Petry, mgr., Cap. 8th, Salloucoo., Brooks dec., Open p.G. dr. R., 2000 come strain photos arealised (1) P. Beddom, spile.
Brookwood Fuscaloosa Rv. 408.	The Standard Coul Co., H. L. Linshen, prest. J. M. Jackson, servictus, and major cap sik stanjano. Druttand slope, suggestions, steam, horse, was net jurgeone oversy capacity standards.
Carbon Hill Walker Rv. 5t.	Carbon Hill and Lost Creek Coal Co. J. W. Shepherd, prest. J. Bynon Seev. J. W. Kita, treas and mgr. Cap sik s15,000. Shaft oral stean. J. Bynon, sopl.
	McDonald Coal Co., F. A. Gamble, prest. Dance McDonald, seev. and treas. John McDonald, m21. Cap 8tk, 850,000. Shatt, 350,000 tons, steam. John McDonald, supt.
	Morris Goss, Manna, Co., R. I., Goss, Solviano Pelas, O. R. Morris, mar., Cap. 8th 815,000. Maner, and 17th Cl., Sloper, Shatt, 100,000 forus, steam.
Cardiff Jefferson Ry, 622.	Sloss Iron & Steel Co., Barmangham. Ala: Il omos Se. Jon. prest., W. L., Sins, see: "Se. Iron & H. W., Petry, Ind., Cap. 84k, Salbouco: Caro W., Opengo" of all, 25000 fons, steam borse, areanet, C. P. Beddon, supt.
Clements Depot Ry. 6, Tuscaloosa	troubl $X$ Son. Whe $A$ Good, prest, seek and teas. If smas $J_{i}$ Good $m_{i}$ , Capeste sequence $Go_{i} _{J}$ is shaft, 144,000 tons, steam. When $J_{i}$ Good $J_{i}$ s. pt.
Coalbut 2 Aetterson Ry, 622.	Sloss from K[Stool Co., Rittmingham, Ma., Labinas, Scadon, prest., W., L., Smis, sold, and treas., H. W., Petry, mgr., Cap. Sloss, Solovier, Conference of the M., 250,000 for sold conference of a new conference of the Management of the Conference of the Management of the Management of the Conference of the Management
Coal City St. Clair Rv. 234	Could if Mining Co., J. H. Vivion, prest, John Posteli, seev. and trens., W. P. Latamore, v. prest, and mgt., Cap sikesbogno., Nos. Land 2., Sepe., howevers. steam, of code over so capacity is occloses. Win Horbert, supt.
Confing Inscalors a Ry, vi	Conling Could Coke Co., A. J. Lyle, prest. S. Frank Perkins, seev. and to is a cap, stk. singlew. Perkins. Slope, 100 tons, steam, S. Lianz Perkins, mgt.
Collinsville Cherokee Ry, 612.	Wright & Adams, Leonard, Ala. Tocci — Open pat, Sections,
Connellsville Mines Ry, 408. — Jefferson	Mabanua Connells ville Coul & Cohe Coll. H. H. Epicha, roost (E. S. Martis, v. s. 1997, v. 1998). A determining many and vapiest. Cap. st& Scorce: Connells ville Mines. Score (correct sussession) of collectives, 20000 Collection, Edward to Lewis, sussession.

Tows

Corona Ry, 622.

Cullman Ry. 408.

Gadsden, Ry, 240, 208

Wymond By, 408.

LOCATION OF MINE,

RAILWAYS, WATER ROUTES

AND SHIPPING POINT.

De Berniere - Jefferson Ry, Little Warrior 283.

#### COAL-BITUMINOUS -(CONTINUED)

Culhoan, Fuller, Parker & Co., Parker and Fuller, Pit; hand, Marceil Schmitt, suot,

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED,

COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

The Sam Clayton Coal Co., 415 Broad St. J. S. Clayfon, prest, and mgr.; J. M. Flood, seey.; M. C. McCauly, treas. Cap. stk. \$10,000. Naheulola. Tunnel, 5,000 lons; steam. Sam. Clayton, smd.

Walker Corona Coal & Coke Co., Jasper, Ala. John Greenough, prest.; E. G. Storey, seey, and treas.; L. Bellus-grove, gen, mar. Cap. slk, \$1,000,000. Corona Nos. I. 2 and 3. Drifts, slope, 300,000 fons; steam, horse; breaker; wasther; 30 coke overs. Psyton Norvell, supt.

"Etowah Obal Christopher & C. A. Clayton, Gadsden Mines, Slope, 72,000 tons; hand, steam; breaker,

Gamble Mines Walker Ry, Kings 351.	Townley Coal & Coke Co., Jasper, Ala. J. C. Neely, prest.: J. B. Carrington, seey., treas, and mgr. Cap. St., \$400,000. (damble. Slope, druft, 120,000 tons; steam, compressed air; 300 coke ovens. A. P. Van Fleet, supt.
Gurnee . Shelby Ry. 240.	Excelsior Coal Co. T. H. Aldrich, prest, and treas.; A. H. Carpenter, seey.; Cornelius Cadle, mgr. Cap. stk. \$1,420,000. Anita and Buck Mountain. Slopes, 100,000 tons; steam. J. E. Strong, supt.
Horse Creek Walker (P.O. Sharon) Ry. 351.	Dora Coal Mining Co. J. T. Morgan, prest.; R. E. Morgan, seey, and treas. Cap. stk. \$100,000. Dora. Dritt, 75,000 tons, horse. W. A. Gray, supt.
	Thomas Price & Co. Thomas Price sr., prest, and mgr.; W. A. Price, seey, and treas, Cap, stk, \$25,000, National. Slope, 120,000 tons; steam. D. Hanlen, supt.
Imman St. Clair (P.O. Fairview) Ry. 234.	Inman Mines, St. Clair Coal Co., Ragland, Ala., R. L. Robinson, prest.; J. C. Mellichamp, secy.; Rees. C., Harris, mgr. Slope, tunnel, 25,000 tons, steam. Rees C. Harris, supt.
Jasper, Walker Ry, 351,	Coal City Coal & Coke Co., Birmangham, Ala., Room 4 Morris Bldg. R. D. Johnston, prest.; Joe. R. Cook, seey. Coal City and Calumet. Drifts, 40,000 fons. horse.
Johns Ry, 408. Jetterson	De Bardeleben Coal & Iron Co., Bessemer, Ala., H. T., De Bardeleben, prest., David Roberts, vprest.; Andrew M. Adger, see; and treas. Cap. stk. \$10,000,000. Blue Creek. Slopes, 146,535 fons; steam; 280-coke ovens, 160,535 fons. L. W. Johns, supt.
	Tuggle-Ellis Mining Co. J. D. Tuggle, prest, and ugr.; F. C. Ellis, secy. and treas, Cap. stk. \$100,000. Herring. Open pit, 180,000 tons. horse. C. W. Hawkins, supt.
Leonard, Cherokee	David T. Adams (local). Open pit, to tons; hand.
Lewisburg defferson Ry, Birmingham 240, 280, 351, 422, 622.	The Mary Lee Coal & Railway Co. J. A. Montgomery, prest, and gen. mgr.; T. M. Frazier, seey., Geo. W. West, Iteas. Cap. stk. \$50,000. Mary Lee. Slope, 55,000 tons: steam; washer; 110 coke ovens, capacity 50,000 tons. Wm. I. Gilmore, supt.
Lockhart Walker P. O. and Ry. Corona 283,	Lockhart Coal Co., Corona, Ala. E. W. Coleman, prest.; T. C. Smithson, seey., H. L. Smithson, treas. M. Sanders, mgr. Cap. stk. \$24,000. Lockhart. Slope, 24,000 tons, steam. A. D. R. Lainer, supt.
Morris deflerson Ry, 408.	J. F. Rogers (local). Rogers. Tunnel, 40 tons.
Ry, 408, 622,	Alethia Coal & Mining Co., Birmingham, Ala., Morris Bldg., W. M., Mayer, prest.; R. G., Mallett, seey, and treas.; C. B., Walker, mgr., Cap. stk. \$25,000. Alethia. Slopes, 10,000 fons, steam. H. H. Graves, supt.
Palos Aefferson Ry, 351.	Turner Coal Co., Birmingham, Ala., Motris Bldg., Chas, Thriner, prest.; R. H. Turner, vice-prest, and gen, mgr., A. Latady, seey, and treas. Cap. stk. 820,000. Turner. Tunnel, 60,000 tons; horse; washer. R. H. Turner, supt.
Patton Walker Ry, 622,	Deer Creek Coal Co., Marietta, Ala. J. E. Cooke, prest, and gen, mgr. Cap.\$10,000. Deer Creek. Slope, 36,000 tons; horse. Win. Faul, supt.
Pratt Mines - Aefferson Ry, 240, 351, 408.	Tennessee Coal, Iron & R. R. Co. Thomas C. Platt, prestr. Jas. Bowron, seey, and treas; G. B. McCornack, mgr. Cap. 8th, 840,000,000. Pratt. Slope, shaft, drift, 1,250,000 tons. steam; washer, 1,055 cokenvers, capacity 42,5000 tons. Erskine Bansay, supt.
Quinton, Jefferson Ry, 351,	Reid & Glover, J. L. Glover, prest.; J. S. Keid, seey, and freas.; M. McLarity, mgr. Cap. \$200,000. Quinton. Slope, steam. M. McLarity, supt.
Raeland St. Clair Ry, 234.	Hudson & Co., Greenville, S. C., 267 Washington St. Frank Hamands, prest.; J. H. Morgan, seeg., W. A. Hudson, treas., E. E. Cayton, mgr. Cap. 8tk, \$100,000. Tunnel, slope, 40,000 tons, washer, 40 coke- overs. E. L. Clayton, supl.
**	8t, Clair Coal Co., R. L. Robinson, prest., J. C. Mellechamp, seey, and freas.; Rees C. Harris, mg., Shatt-and slope, 35,000 fons, steam, washer, 40 coke ovens, capacity 10,000 fons. Rees C. Harris, supt.
Russellville Franklin Ry, 61,	Lady Ensley Coal, 1ron & R. R. Co. W. M. Sande, prest.; Thos. D. Radelille, seey, and treas.; Walter-Moore, mgr. Cap. stk. \$30,000,000. Lady Ensley. 200,000 tons; steam. R. L. Williamson, supt.
Shannon. Bibb (P. O. Bessemer) Ry. Shannon 408.	De Bardeleben Coal & Iron Co., Bessemer, Ala., H. T. De Bardeleben, prest., David Boberts, vprest.; Andrew M Adger, seey, and treas. Cap. 8tk, \$0.000,000. Helena. Slope, (46,535 tons); steam, 280 coke- overs, capacity 10,550 tons. L. W. Johns, supt.
Sumter Jefferson (P. O. Belle Sumter.) Ry, 408,	De Bardeleben Coal & Iron Co., Bessemer, Ala, H. T., De Bardeleben, prest.; David Roberts, vprest., Andrew M. Adger, seep, and treas. Cap. stk. \$Imooroo, Elne Creek, Slopes, 146,355 lons, sleam; 280 coke ovens, capacity 105,550 lons. L. W. Johns, supt.
Tuscaloosa "Tuscaloosa Ry, 6.	Alabama Insane Hospital (local). Shaft, 2,730 tons; steam. Dr. P. Bryce, mgr.
	A. Durie (local), Cap. \$3,000. Shatt, 4,000 tons; steam,
Warrior Jefferson Ry, Waffs 408,	Mabel Mining Co., T. M. Davidson, prest, and treas.; L. K. Moss, seey, and mgr. Cap. \$00,000. Mabel. Tunnel, 50,000 tons, horse, L. K. Moss, supt.
	Worth Could be how the C. W. Challans print W. C. Proffin your trans and mar. Can stl. 200 000.

Watts Coal & Iron Co. A. W. Graham, prest; W. C. Ruffin, seey., treas, and mgr. Cap. 8tk, \$20,000, Watts. Open pul. 50,000 tons, horse; 3s coke ovens, capacity 120,000 tons. W. C. Ruffin, supt.
 Jefferson Trussyille Furnace & Mining Co., Trussyille, Ala. R. D. Smith, mgr. Cap. 8tk, \$20,000.
 Bradford, Slope, 60,000 tons; steam; 108 coke ovens, capacity 25,000 tons. Harry Watkins, supt.

#### GOLD AND SILVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Edwardsville Ry, 622.

.Cleburne J. B. Merrill, Co. J. B. Merrill, prest.; Wm. Hamilton, seey.; F. C. Merrill, treas... John Driesbach, mgr. Pmetucky, gold, 100 tons; refractory; steam, 10 stamps. John Driesbach, supt.

		IRON
LOCATION OF RAILWAYS, WAT AND SHIPPING	ER ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFILD TOKS OF 200 POUNS, KIND OF POWER USED, BLUST FYRINGES, ETC., AND AME OF MINE SUPERINTENDEST.
Town AND	COUNTY	OF TOWNS COLD, DOUGLI CROSSES, DOUGLAND NAME OF MINE SUPERINTENDENT.
Alice, Ry. Fossie (	"Jefferson jos,	J. R. & C. J. Smith, Fossie, Ala. A. J. Ferrell, augr. Fossie, Wares, Muscado, red orc. Slopes, 360,000 tons, steam; furnace. A. J. Ferrell, supt.
Anniston Ry, 408.	.Calhoun	Woodstock from Co. T. G. Bush, prest.; J. W. Stillwell, seey, and treas.; S. N. Noble, mgr., Cap. stk. S0,000,000, Woodstock, brown hematile. Open, 120,000 tons, steam, horse. 2 furnaces, 60,000 tonsdoh. Ballard, supt.
Attalla Ry, 35, 126, 1	.Etowali 210, 408.	Attalla Mining & Manufacturing Co., Chattanooga, Tenn., 408 Richardson Bldg. W. M. Nixon, prest, and treas., John C. Knox, seet, Geo. W. Nixon, ngr. Cap. 8th, 89,000. Attalla, Winchester, red for shifteness. Tunnel, 50,000 for hove. John C. Knox, supp.
**	**	William Nickson, Chattanooga, Tenn. Attalla. Tunnel, 350,000 tons, hand, steam. John Knov, nigr, and supt.
Bessemer Ry. 40s.	deflerson	Sloss Iron & Steel Co., Birmongham, Ala. Thomas Seddon, prest., W. L. Sins, seey, and treas. Sloss, red hematite. Slope, 200,000 tons, steam and compressed air. C. P. Luding, supt.
Brierfield Ry. 240.	Bibb	Mabama Iron & Steel Co., T. J. Peter, prest., E. T. Peter, scey. Cap. 8tk, 81,000,000. Bibb, brown hematite. Open pd. 20,000 tons. Jurnace.
Cedar Bluff Ry, Lawren	Cherokee ee 240.	Burnett & Smyer, R. Lawrence, prest, and gen, mgr., James F. Burnett, seey, and treas. Cap. 8th \$200,000. Shallings, red tossiliterous. Slope: 1 N. Fumlin, supt.
Champton Ry. 408.	Blount	J. W. Worthington X Co., Barmingham, Ala. Cap. 81,000,000. Champion, brown hematite. Open pit steam, washer. W. A. Wall, supt.
Gadsden Ry, Thomse 622,		Bean Mining Co. Robert Bean, mgr. Red hematite. Slope, 12,000 tons (horse,
		Fitzgerald & Smith, 39: Broad st. P. S. Fitzgerald, presh, seey, and treas., Lonis Smith, mgr., eap \$5,000. Red hematite. Tunnel, £5,000 tons, hand, horse. Louis Smith, sapt.
**		Gadsden Iron Co. A. J. Crawford, prest. T. W. Stewart, scey., treas, and mgr., Gadsden, ted hematite Open, (2,000 tons, hand
**		J. W. Hammond, Cap 810,000, O'Conner, red hematite. Open pit, 130,000 tons, horse, steam, turnace not tons, J. W. Hammond, supt.
**		James G. Thomson. Red fossiliterous hematite. Slope, open, pit, 1,800 tons, horse,
frondale. Ry, Ruffner		Sloss Iron & Steel Co., Barmingham, Ala. Thomas Seddon, prest., W. L. Sins, seev. and treas. Sloss Irondale, red hematic. Drift, 125,000 form, gravity. Thomas C. Culverhouse, supt.
kaolin Ry, James		J. M. Cox. Cap. 84,000. Kaolin, red fossiliterous. Dunnel, open pd. 6,000 fors.
Laney Ry. 408,	Calhonn	J. C. Lanev & J. L. Line, "J. C. Laney, gen.ingr." Cap. 810,000. [Lanev's, red and brown bematife. [Junied open pit, hand. W. T. Burk, supt.
		J. F. Line & Co., Cap. 810,000. Bonanza, brown hematite. Open pit, 20,000 tons, hand. Chas. Iravis, supt
Rendaha Ry. 408.	Lalladega	Reynolds from Co., Col. Gordon McKay, prest., W. A. Clover, mgr., and treas., Cap. \$100,000. Reynolds brown hematite. Open pit, 60,000 fons, steam., W. A. Glover, supl.
Russellville Ry 61.	Franklin	Lady Fusley Coul, Iron & R. R. Co., W. M. Sinde, prest., Thos. D. Radeliffe, seey and treas., Walter Moore, mar., cap. 8tk, 800,000,000. Lady Easley, hematife, 450,000 fors, steam, washer, R. L. Will musous, supt.
Shelloy Ry. 408.	Shelby	Sheffy from Co., T. G. Bash, prest, J. H. C. Cooper, seev., N. S. Gurnec, treas. Sheffy, brown hematite Furnaces
Tecumsch Ry, 234, 240,	Cherokee	Teennisch Fron Co., P. U. Moore, prest., P. B. Warner, seey., S. J. Februng, treas, and mgr., Cap. 8th, 8500,000. Baker Hill, brown hematite. Open pit, Logocotons, furnace, 45,000 tons.
Warnor . Ry. 408.	Jefferson	Hoene Wattior & Jefferson Coal Co., B. H. Frank Hoene, prest,, mgr, and treas., W. A. Hoene, seey Cap, 8tk, 8100,000. Hoene Warrior, black band. Drift, slope, steam, W. A. Hoene, supt

### MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIFFING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OLFICERS CAPITAL STOCK, NAME OF MINE, KINLOOF PRODUCT, KINLOOF MINE, ANDVALOUTIVET IN TOSSOCE, OUTCOMES, KINLOOF FOWER USED, PALSY MILES, FIVE, AND NAME OF MINE SEPTEMBLESPEED.
Fows vsp	Cot S14	
Coosada Station Ry, 408.	Elmore	$\mbox{ Gayle $\chi$ Semple, Montgomery, Ala. Action other. Tunnel, two tons, steam. }$
Jackson Ry, 462, 768.	Clarke	Jackson Golden Ochte Co. A. M. Wing, prest., Geo. W. Powe, seey, and treas. M. L. Pritchett, mir. Cap. 8tk, 800,000. Aellow ocher. Tannel, steam,
Perdue Hill Ry, Claiborne		Clarborne Ochre Co., Selma, Ala R. H. Agee, prest, and mgt. H. P. Agee, seev. W. C. Agee, treas. Cap., 84k, 85000. Aellow ocher. Open pit.

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY. RAILWAYS, WATER GOUTES AND SHIPPING POINT. COUNTY. Town AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OF QUARRY, KIND OF STONE, KIND OF MINE OF QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMELILINS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Bridgeport Ja Ry, 430, 482, 746.

Jackson Bridgeport Stone Co. Frank H. Edwards, prest, and mgr., J. Bradley Patterson, seey, and treas. Cap. stk.
 Sucono. Depthord and Riverside, gray sandstone and blue limestone. Open pit; horse, hand. A. McTae and Jas. Kelly, supts.

Isbell Ry. Darlington 61.

Franklin Isbell Quarry Co. Charles F. Conrad, prest, and mgr. Limestone for fluxing.

Luverne Crenshaw, C. R. Brickeh & Co., Cap. 85,000. Limestone. Steam; limekilus.

Ry. 6.

Rock Springs Ry, 408. Etowah C. Midgley & Co. Cap, 86,000. Rock Spring, limestone. Open pit, 30,000 tons; steam; limekiln, 900 tons.

(P. O. Florence) Ry.

South Florence, Colbert Florence Cotton & Iron Co., Philadelphia, Pa., 330 Walnut St., Abraham S. Patterson, prest.; James Pol-cP, O. Florence, Ry. lock, scey, and trens.; Damel King, mar., Limestone, Open pit, 45,000 tons; steam. Thomas Keele, supt.

SEE ALSO SUPPLEMENTARY LIST

# ALASKA

#### COAL BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER GOUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OPPICE, NAMES OF OTFICES, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OCTIFICES, TOSS OF 2.00 DOWNES, KIND OF DOWNE USED, COAL DIFFERENCES, WASHERS, CORE ON SSEANCE AND NAME OF MINE SUPERINFORMS.

Killisnoo, All shipments to and trom Alaska points

Trom Alaska points Via Paerfie Ocean 552

Seward Cook's Inb t

Unga Island, (P. O. Victoria, B. C.) James McClasky, Open, pit\_band\_

Vlaska Corl Co., San Francisco, Cal., 26 Sagramento St., W. H., Fastland, prest. S. M. Lastland, California Safe Deposit & Frist Co., freas., W. T. Robinson, migr. Cap. stk. 82,000,000. Kachekmak, timnel. 1,500 forms, hand. W. H. Robinson, supt.

Conf Harbor Conf Mining Co., San Francisco, Cal. 40 California st. Irwin C. Stump, prest. C. W. McAlec, Apprest, J. R. Howell, seey. A. S. Falddwin, Ireas. John C. Green, mgr. Cap. 8th, 82000,000. Tunnels, 150,000 forms. Steam.

#### GOLD AND SHAVER

LOUVINGS OF MANE RAILWAYS WATER hot IPS IND SHIPPING POINT

SU SHIPPING TOTAL

Donzlas "Douzlas Isl All shipments to and from Alaska points

via Paeitle Ocean 552.

Probability Variables Probability Golovine Bay 562

Juneau Ry Sy NAME OF GRANDS AND A STATE OF THE STATE OF T

Maska Irgadivell Gold Wieng (to San Femos) G. (20 Montgomerys), Wightin Aivoid, prest A. I. Gubius, seev. J. P. Guijes, Tenas, K. Duo, in B., ing. (4 pp. 35), 85,00,000. Alaska, Irgadiveli, gold. Open puls, substituting is, procedure from and retractory shown. Bestamps K. Duncain E.

The Pansy Maning Co., Pancy, gold and suver. There I., pre-

The Omital Gold & Sive: Min  $n_{\pi}$  to  $(San Transson C_{\pi})$  are Castorina St., foliate Green,  $m_{\pi} t$  , cups SL(Slipping, GO). Of far any T(sneet), T(sneet), T(sneet), of forms, then SC(n)

Bismard, Maniga & Maring to Davidand, tree [8] As no across [1] to details, say of [8] Spinner, trees [1] spin section [1] from the New [2] of [1] from section from the Section should Archibidal Campbell. Tabley Tries, gold and server. Turners and place is good one tree and retractory

wide) estimps and pulver, or

Denver Summit favore. Bastor Mess, 27 Wish refer st. Harrison 4.4 ki, prest mortreas. For LL

Glason, sory. Whitheop W. Less, new corps has sorger been a small fee. Loanel free and
retractors strain, we stamps. W. Le Processiff.

Junear Manua, & Wangtacher Engler, Lineau et W. S. M. Warder, press (R. H. Downing, see yold P. Miller, treas. Win M. Donet near loop stars strong Good Tarnet 2000 fors. tree water to stamps. Win M. Dienar suph.

East Chance Placet, Min nu Co., Cap x 90,000. Test Chance a good. Placet, 12 drache. William Nelson,

Nowell Gold Mining Co., Portland, Mano. Thos. 8, Novel, prest. Arthur L. Nowell, see: "Hen Albert C. Howard, treas. Tred k.D. Novell, mar. Cree stk. 8, 200000 - Gold and silver. Hydraulic eq., (19), tree, Aster, 2084ming. Job (1994), 8, p. 1

Shock Bay Placer Mining Co., dersectory, N. J., I Wontgomery St., St. ak Bay, gold. Placer scatter

Start & Reed. Phillip Start seev. W. L. Rood, treas. Good. Open tree. Steam and cafer.

Willoughby X Went (Cap. 815,60). A Charam Group (2000). So we say the first for the experience of stamps.

H. S. Wyman. Dora, wold. Trained the system it rashes

#### SEE ALSO SUPPLEMENTARY LIST

# ARIZONA

#### COPPER

Town And	COUNTY.	
Clifton	Graham	Arizona Copper Co., Ltd. James Colquhoun, prest, and mgr.; J. G. Hopkins, seey, and treas. Cap. stk. 83,000,000. Longfellow, Metcalt, Simpson and Coronado Groups, copper, Shaffs, mimels and open- ents, 50,000 tons; self-fluxing and siliceous; water and steam; water jacket, 70,000 tons. James Colquhoun, supt.
**	**	Silver & Copper Clift Mining Co., Nevada, Mo. Will F. Norman, prest.; J. D. Wevear, secy.; W. H. Robinson, treas. Copper Clift, copper. Tunnels and shafts; carbonates and black sulphides.
Globe Ry, Willcox 6:		Old Dominlon Copper Co., Baltimore, Md., Keyser Bldg., Wm. Keyser, prest.; Jos. Clendenin jr., seey.; R. Brent Keyser, treas. Old Dominlon, copper. Shalt, 38,000 tons; steam; 3 water jackets, 50,000 tons.

Morenei Ry, Clitton or Lords-burg 19, 692,

LOCATION OF MINE,

RAILWAYS, WATER HOUTES

AND SHIPPING POINT.

A. L. Walker, supt. Graham Betroit Copper Mining Co. of Arizona, New York City, 99 John 8t. Win. Church, prest, and ingr.; Jos. Van Vleck, seey, and treas. Copper Mointain and others, copper. Shafts, tunnels and pits, 25,000 tons, steam, a water jacket furnaces. Gordon MeLean, supt.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE,

NAME OF MINE, KIND OF ORE. KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND

OF POWER USED, FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Pantano.. Ry, 26, 692. Ry, Desert 822.

Tueson

....Pima W. B. McCleary. Niagara Group, copper. Shaft and tunnel, 9,000 tons; oxide and carbonate; horse, Plina J. K. Gooding, P. O. Box 236. Cap. \$100,000. Young America, copper. Shafts, fininels and levels, 9,000 tons; oyde; steam; water jacket furmace, 25 tons.

#### GOLD AND SILVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PH NAME OF MINE, KIND OF ORE KIND OF MINE, OF POWER USED, STAMP MILLS, ETC.	ANNUAL OUTPUT IN TO	INS OF 2,000 POUNDS, KIND	
				-

Ry. Prescott 604.

Agua Fria Valley, Yayapai - Frank McCabe. - Gladstone, gold. - Shatts and tunnels, 300 tons; refractory; horse and hand.

Willard Rice. Cornucopia, gold and silver. Open pit and shatt: free: water, Pima Ates & Wieck. Red Rock, sllver. Shaft and tunnel; tree; hand,

Arivaea Ry, Theson 102.

Wm. J. Clark, Tueson, Ariz. Horn Silver, gold, silver and lead. Shafts and tunnels, 50 tons: tree and

John P. Hedigan, Cap. 850,000. Hedigan, gold. Tunnel; free; steam; to stamps.

John Sexton, Cap. \$5,000. Cockatoo, Ballarat and Broken Hill, gold and silver. Tunnels and shatts, 100 tons, refractory; hand.

Castle Dome Ldg P.O. Yonga Ry, 692.

Hodges Bros., Yuma, Ariz. Cap. \$5,000. Washington, silver and lead. Shatt, 350 tons: free and retractory; horse and hand.

Cedar Valley. Mohave O, and Ry, King-

Diagnond Joe Mining Co. Diagnond Joe, silver, copper and lead. Shaft and tunnel, 150 tons, retractory;

Yayabai. James E. & John Allen. Wheatley, Mammoth. Shaft, open cut, 250 fors; tree; water; mill. Ry, Present 604 (32 m.)

10001-26

Mocking Bard Mining & Milling Co. Richard De Kuhn, prest, and mgr.; Clarence Williams, sery, and treas. Cap. Stk. 848,000. Mocking Bird and 4 others, gold. Shart and tunnels, 3,000 tons, free; steam; ustamps. Richard De Kuhn, supt.

Mohave Chlorate

A. H. B. Smith, Cap. \$2,500. Rocky Pass, gold. Tunnel and slope, 300 tons; free; water, Hampton, McDuttee & Co., Muneral Park, Ariz. Jann Bow, go 200 tons, tree and retractory, hand. H. B. Hampton, supt. Bain Bow, gold and silver. Tunnel, shafts and slopes,

O. Mineral Park Ry, Kingman 26, Chiton Graham.

Golden Engle Gold & Silver Mining & Smelting Co., Bangor Me., of Hardew st. Arthur C. Haggins, prest; S. Willis Whitroulb, serve, and treas. Cap. sik, Somerr — Golden Engle and 2 others, gold and silver, Funnel, Jarit Tree, Ietractory, Land developing. 3, 1, 1, 8 mark, supt.

Cottonwood Ry. Prescott 604.

Yayapai Munds, Campbell & Olden, Supply, Nozarth and Cross Cut, gold. Shatt, tree: steam; arrastre.

Crown King

Vavapar Crowned King Mining Co., Edinburg, Ill. O. F., Place, prest., N. C. Shekels, Seey., Geo. P. Harrington, at., 1988, Cap. 84k, 86000,000. Crowned King, gold and silver. Tunnel, 6000 tons, retractory; steam §10 treas, Cap. 81k, 86,000,000. C stances. John Martin, 800t.

By. William 602. Dragoon Summit Cochise

Cocluse: Oak Grove Minnig & Milling Co., Chas. S. Attix, ngr., Glenwood, Oak Grove and others, gold and copper, Shafts, 20ctons, Tree, steam and horse. Dyer mill and concentrator. Chas S. Attix, supt. N. Bell, Pinos Altos, N. M. Santa Loced, gold and lead. Shafts, 500 tons, tree and retractory, hand. N.

Ry. Browle 692.

Gila, Tame Mining Camp., Chas, Denhard, ingr., and supt. Fame, silver. Tunnel; free; hand,

R. F. Hamphrey. Gold and silver. Shatt: tree: hand.

Bell, supt.

C. Ruckelshausen, Box 102. London, Hartford and 2 others, silver. Open pit, shaft, tunnel and slope.

Mohave Carey & Mervill, Christinas Giff, gold. Tunnel, 1, 900 tons, free; water, hitastre.

# GOLD AND SHAFR (CONTINUED).

Town and Gold Basin (Continues	Cornty	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT,
Gold Basin (Continue)		
	.Moliave l.)	O. K. Mining & Milling Co., Kansas City, Mo., New England Bldg. Milton Welsh, prest.; C. Kinney, seey.; Newton Welsh, treas.; Frank Welsh, mgr. Cap. stk. pd. 899,000. O. K. and Excelsior, gold. Shafts and Immels, 6000 forus, free; steam, 10 stamps. R. G. Patterson, sup.
	**	Henry Schaefer. Cap. \$5,000. Mountain View, Miners' Delight, gold and silver. Shaft; tree.
Greaterville Ry, Sonoita 2	Pima 6.	Cornelia Mining Co., St. Louis, Mo. H. V. Kent, prest., J. H. Sudboronot, secy. Monitor, silver and lead. Shafts; retractory obeycloping.
*		Thomas Deering. Bellmont, gold, silver and lead. Tunnel and shatt; retractory; hand (developing).
Gunsight . Ry, Gda Bend	Pima 1692,	Silver Girl Minling Co., Kansas City, Mo., 6 and 17 Gibrallar Bidg. E. B. Wingate, prest.: Morton Thayer, seey., trens, and nigr. Cap., 8th, 8th/com/ou. Gines Et Rya Girls Girls, Silver. Shafts and funnels 15,000 tons; retractory; steam, 20 stamps. Janues F. Ryan, supl.
Harqua Hala Rv. Azbec 692	Yuma	Bonanza & Golden Eagle Mining Co. A. G. Hubbard, prest,, mgt, and supt., H. L. Harris, seey., G. W. Bowers, treas—Cap. 8th \$500,000. Gold Mountain, gold.—Shafts, 25,000 Ions, Tree, steam, 20 stamps
		Hubbard & Bowers, A. G. Hubbard, prest, and mgr.; H. E. Harris, seev., Wells, Fargo & Co. Bank, treas, Cap. 8th, 850,000. Harqua Hala, Bonanza and Golden Hagle, gold. Shatt, 28,800 tons; tree; steam, 20 stamps. A. G. Hubbard, supt.
Kingman, Ry, 26.	.Mohave	Arkansas & San Antonio Mining & Milling Co., East St. Louis, III. Win, Stroh, ptest.; J. H. Donnewald, seey., F. H. Miller, trens, of F. Kneiber, mirr, and supt. Cap. 8tk, 820,000. Arkansas and San Antonio gold and silver. Shaft; steam odevdepung.
		Bowers & Co. F. F. Baldwan, mgr. Night Hawk, gold and salver. Tunnel and shart, retractory; tunnel, G. M. Bowers, supl.
		Foster S. Dennis & J. J. Jerome. Cap. \$20,000. Tibueno, silver and lead. Shatt. retractors. horse. developing a. J. J. Jerome, supt.
••		Gold Rug Mining Co., Colorado Springs, Colo., 13 Hagerman Block, Walter F. Crosby, prest, W. H. Leonard, sery, and Iteas., Robett J. Grant, ingr., Cap 8th 84,000,000, Gold Rug, gold. Shatt, tree-horse developings.
**		John Lynch & L. S. Dennis, (ap. 850,000, 0), O. D., gold, silver and lead. Shatt, 8,000 fons, retractory
		steam, pulverners. Chas, Lynch, supt. Primtose Mining Co., Geo. M. Bowers, 1021, and supt. Primtose, silver. Shatt, retractory obeyelopango
Lost Basin P. O. Gold B Hackberry		
Mammoth . Ry. Lucson 6:	Pinal	Mammoth Gold Mines, I.td., London, England, 257 Winchester House, Cld Broad St., James Hastings prest, Charles Goodveat seey, Joseph W. Johnston, ngg. Cap. 8th 82,500,000, Mammoth, gold Shath, 2000 tons, thee steam, Sockatings, Andrew J. Collans, supp.
Mineral Park Ry, Kingman	Mohave	t T. Sherman. Distait, gold and silver. Shatt, 500 tons (retractory) steam. T. W. Thies, supt.
Kinzusia		Stephen Smith Samon, gold Tunnels and Shatts Tetractory horse developing
Nogales Ry, Calabasas	Pana s 26	H. V. Read, St. Patrack and San Francisco, silver. Shatt, tunnel, Lowetons. Tree, steam [5] statings. W. Read, supt.
Oro Blanco Ry, Tucson is	Pima 12 - 68 m.)	Austerlitz Gold Mining Co., Norwell, Comi. Waller I. Welov, prest. Plana A. Midehell, seev and treas C. W. Kemplom, mgr., and supt. Cap. sik. \$20,000. Absterlitz, gold and silver. Tunnel and open pit free, decim.
		$\mathbf{G}(detikins(\mathbf{A}, \mathbf{A}, Backer)) = Silver(Prince, gold, Silver) \text{ and } fear) - Silver(prince) + fear(prince) + fear$
		Stockton Consolidated Mining Co. Stockton Cal., C. C. Cristle, post of M. Keraston, seev, and Telas C. I., Pluleo, figg., Cap. sik. 8500000, Mefa and Lithe, geld, silver, copper. Shaft and funnel rice
Pinal (not a P. 0 By, Casa Coa	Pinal nde %	Pinal Consolidated Minergeo, San Pianessee et al. 200 Mortgene (v. st. B. Hart, prest. Alexa S. Chenmand, See, and Reas. A Chempion, 1927. Cup. Six. Science. Pinal lead et d. S. France, not fors, retractory. J. Champion, sind.
Prescott Rv, 604	Vavapar	Alice Mining & Development Co. (Lighert Chambert) in prest. (Ligene M. Latti, see, and freas.) Ches. M. Cath, high Cap Sh., shownson, S. Asta Belli, silver, Shatti, shear (Chambert, Steam and Chambert, Steam and Chambert, Steam and Chambert, Chambert, Steam and Cham
		$J/W_{\rm e}$ Archibald x $A/Kor/k$ - Cap stage. Frankford gold and saver. Shaff and funnel, totans, terror tory, hand
	**	Cathorlin Silver Mining Co., W. J., Proffey, prest, and Ingr., H. Arther Seam, seev., Cap. sty., St., op- Catoerin, following and lead. Tunnel and shafts, suctions of thereby steam and water do stance. J. W. Woodruff, supp.
		chas M. Clark, Cap. 820,000. Solver Bell, 8 fver. Shaft, ortons retractor astermines
		Commercial Muning Co., New York City, 20 Juliu st., Jas. Douglas, prest., Lee. Notman, sec. and the e-Schutot, 2014 and silver. Shatt and funnel, Locations, retractory, ste ma, nel valer, J. 8, booglass seq.
		Congress Gold Maning Co., L. M. Dickey, prest, and from S. J., M. Minjely scene in the great sets, so some congress, gold. Shatt, according retractory, Scam destaupts. J. M. Witjen, S. pt. Sharley & Webbert, Cap. Stycon, Pario d. gold. Paninds, Protons (tree spean), estimal states States.
		supt.  We blex Myers. Silver, copper and lead. Shaff and tunnel refractory bond to yeloon. To 1. Myer.
Quajote a	Pinia	Supt
Ry over Red Book		Waferman, seet. Nevada Bank, freas. Cap sik sto. 00,000. The f. Peet sis Cook it We con site. Innuel and shaft, free, steam, 30 stamps. Die Pickett, sapt.
By, 692	1 11641	Arzona Consolidated Gold and Silver Manna Co., Geron, Jian, W.S., James II, Jemos, prest. M. J. M. Comek, Seev, and Trais. D. T. Limore, may "Caps R. 250,000" bessel Barten Pan Bastonan - 2005. gold and Silver. Shatt and Jamed, Libortons, Free, retractory site on "Sistering For Palmones and Caps."

#### GOLD AND SHLVER -(CONTINUED).

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERN IPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, ANNO OF MINE, ANNOLA OUTPUT IN TOSS OF 2009 DOWNS, KIND OF POWER USER, STAMP MILLS, FUY, AND NAME OF MINE SUPERINTERNIEST.

Town AND COUNT

Silver King Pinal D. M. Hyde. Old Bonanza Terror, silver. Open cut and tunnel; tree; hand (developing).

Ry Casa Grande 692.

- John M. McCaffrey. Edison Group, gold, silver, copper and lead. Shaff and timnel, retractory; hand (developing).
  - Silver King Mining Co., San Francisco, Cal., 340 Pine st., Rooms 15 and 15. Thomas M. Theby, prest.; J. W. Pew, seey. California Bank, from: Joseph Champion, mer. Cap. stk, \$1,000,000. Silver King, silver and lead. Shaft, 55,000 close, retractory, steam, 40 stamps, sincher, Joseph Jampion, supt.
  - South Comstock, Win, H. Lempker, presh., W. F. Tutern, seey, and treas. Cap. 8tk, \$100,000. S. Comstock, Berlin, Sterra and California, gold, silver and copper. Tunnel and shaft, retractory, hand, W. H. Lempker, 8upl.

Skull Valley. Avagan Paul Loske, Copper Basin, Ariz Washington, gold. Shatt, 200 tons; refractory, hand. Geo, Cooper, Rv. Rubert's Mill 26 supt.

Mill 26 supt.

Aavapar J. A. Conlect. Johnston Group, gold and lead. Shaft and tunnel, 10 tons, tree and refractory, 10 stamps.

Ry, Prescott 26, 292.
Totalistane Carlose

Cochise, J., Murray Balley, San Francisco, Cal., 48 Post st., C. O. D., silver. Shafts and drifts; free, horse and 26 hand obeveloping).

Ry Fairbank 26

Telephone Mining & Reduction Co., San Francisco, Cal., Is Post St. J. B. McChesney, prest., J. Murray Barley, seeg., treas, and mgr. Cap. stk. \$1,000,000. Telephone, silver. Shafts and druts, 200 tons; retractory, whim. John Raley, supt.

Tit som

Pina: Eagle Gold Mining Co., Burlfington, Iowa, N. S. Young, prest.; A. H. Kuhlemein, seey, and treas. Cap., stk, 850,000, 8agmay and others, gold, silver and lead. Shafts, L000 tons, retractory, steam. Class. T. Connell, supt.

Victor Coeffice P.O. and Ry San Sanon

1 lowa Mining Co., Cedar Rapals, Iowa, Dr. James Carson, prest., M. T. Butterheld, seey, and mgr.; J. B. Leigh, treas. Cap. sth. Stongoo. Blue day, silver. Shatts and Immels, 300 fours, refractory, Coefa e. Victor Mining Co., Chicago, IL, 84 La Salle st., Room 609, Cap. stk. 810,000, Auctor Group, silver and lead, in Salnon. — Funnel, retractory (developing). Thomas Burns, supt.

MIC'A.

LOCATION OF MISE.

RATEWAYS, WATER LOUTES
AND SHIPPING POINT.

AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CA. TAL STOCK,
NAME OF MINE, KIND OF PRODUCT, KIND OF MINE ANNUAL OUTFUT IN TORS OF 2000-POUL. 5-21ND
OF POWER USED, ETC., AND NAME OF MINE SUFFRINTENDENT.

Tueson.

- Pima Carl Bock. Leha, Little Ida, Mattie D., Prince Carl, Pit, hand.

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MEAN OF OR QUARRY, WATER ROTTE - AND SHIPPING POINT

NAME OF COMEANY OF INDIVIDUAL, Location of Price Plat. Outlos. NAMES OF OFFICES CLITIAL STOCK.

NAME OF MIXE OF QUARRY, KIND OF STORY, KIND OF MIXE OF QUARRY, ANNUAL OUTLITTY LOSS OF

2,00 FOUNDS, KIND OF POWER USED, STORY OF MARKLE MILLS, LIMBELLS AND

CAPACITY, IPC., AND NAME OF MIXE SUPERINTENDENT.

tave treek Marreoga P. O and Ry Photox

- Maricopa: McCasey & Lulits, Phoenix, Ariz., Commercial Hotel, G. H. N. Lulits, prest, and treas., John McCasey, by Phoenix mgr., Cap. 825,000. Onyx. Pit, Land., John McCasey, supt.
- Seligman Vavapar Ry Prescott June 26.
  - Abayapar Red Mesa Stone & Flagging Co., Albuquerque, N. M., Albert F. Enly, prest., C. A. Hawks, seey, and lune 26. — treas—Cap. stk. 8100,000. Red Mesa—Pit, hand, stone mill., C. D. Anderson, supt.

SEE ALSO SUPPLEMENTARY LIST

# ARKANSAS

#### COAL-BITUMINOUS

LOCATION OF	Mise,
RAILWAYS, WATER	CHOUTES
AND SHIPPING	Point.

NAME OF COMPANY OF BIOLEMPIAL LOCATION OF PERSONAL OFFICE, NAMES OF OFFICERS CAPITAL STO-NAME AND KIND OF MASS, ANNUAL OUTTUT IN TORS OF 2000 POWERS, KIND OF TOWER USED, COLL BEGGGERS, WASHING, CORE OVERS, AND NAME OF MISS. SCHERENT MICH.

Town OF COLNEY

Baldwin — Washington J. N. Clark, Fayetteville, Ark. J., T. Ricc, nigr. Cap. 84,670. Black Diamond. Tunnel, socious, hand, Ry, Fayetteville 720.

Coal Hill Lumklii Ry, 397.

I tanklin Black Diamond Coal Co. Dr. Webe, prest. D. L. Boothne, seey., treas, and mgr. Cap. 8tk, 84,000. Black Diamond. Slope, 10,000 tons, steam. 8, P. Cline, supt.
 Outh Coal Co. W. H. Chit, prest. J. A. Mitchell, seey., A. Lloyd, mgr. Cap. 8tk, 8100,000. Cuita. Slope, 10,000 tons, steam. J. A. Klein, supt.

Favetteville Washingto

Washington, S. A. Lamons, Cap. 820,000. Payettevide: Lunnel and open pit, 5,000 tons, horse and hand,

Ry, 720.

" Isaac Laylor (local) "Laylor Slope, hand

Greenwood Sebasta Ry, 714.

Sebastian South Western Coal Mining Co., J. P. Barton, prest, and mgr., C. W. Phillips, seev. and Ireas. Cap. 85,000. South Western. Slope, 20,000 (tons. steam., J. P. Barton, supt.

Hackett, Seba ta Ry, Cedars 720.

Seba tani. Buzun Mining & Coal Co., John W. Bugan, prest, and mgr., James Murry, seey. Mrs. M. J. Buzun, treas. 20. — Cap. stk., 880,000. The Buzun, 85 op., 30,000 tons, steam.

Huntington Sebastia Ry, 720.

Sebastian Kinisas & Texas Coal Co., St. Loais, Mo., corner Furth and Offian sts... B. H. Hobartt, prest., W. P. Heath, seey, and treas. John R. Brandwood, mgr... Anderson's, strip... Pit, 500 tons. horse. James Russell, supt.

Secy; and treas (Joint E. Brandwood, high) Sebastian (Peter McMillan) Cap, 84,000, Shart, Locottons Ry, 307.

" E. B. Petty, Cap 810,000 Petty's Slope, forecording, steam, A. P. Gardner, supt.

.. ..

Western Coal & Mining Co., St. Lones, Mo., corner, Sixth, and T. cast, sts., Edwin Could, prest., D. S. H., Smith, seed, and To as: R. W. Metboas ff, may a cap sike st, occasion, demay Lind, Cound to Shaft and Slope, Issupportors, steam., J. P. Seeley, spin.

Ry, 714.

Magazine Lora

O næbura Arkansas Gold Lee Chay & Manufacter our recess for exthe charles Helg. If it charke Molade Alaphoton, prest, J. B. Connective prest, and mark the following the formal design of the connections in Hilbertal supplied to the following proportions. R. Hilbertal supplied to the following the following pressure of the following property of the following pressure o

By Attus 207

Omiti Pope (P.O. Russellytla - Ry

Vilans, seeV. Clement J. Vost, treas. B. L. Kennedy, m.2. Cap. stk, 850,000. Open pit. steam. Financial Home, supt.

Pope. Outar Coal. M. mng. Co., Let Scott, Kon., Outar. Stepe., 4,000 ms. stein, bre ker and washer, W. R.

EX. — Tistney, supt.

loo. Russelly:lle

Poper Carev Coal Co., Hutelinison, Kan., Soper Steam

" A. Popkiss des

A. Popkiss lessee. The Harwater. Slope agroutous steam, are dec-

" " Id N Secreta to the state September of the stand J K Secretarial Streklet — Washington A B Hodge Jord — Open pay bond

#### COPPER

LOCATION OF MINE BATHWAYS WATER THOMAS

NMO OF COMPANY OF STREAM OF A STREAM OF THE AND A STREAM OF THE STREAM OF MANY REPORTED AND A STREAM OF THE ANALYSIS OF THE AND A STREAM OF THE ANALYSIS OF TH

FOR 12 COLVER

SPACE City Montgomery Prank Pease Dannoud Jon's verse rate of Staff (effectory being Ry, Hot Spring as)

#### FIRE CLAY.

LOCATION OF MINE OF BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT

NAME OF COMPANY OF ENDING AS TO ANION OF PRINCIPAL OFFICE, NAMES OF OFFICERS CALL, A STOCK NAME AND KIND OF MANY OFFICER AND ANY OFFICER ANY OFFICER AND ANY OFFICER AND ANY OFFICER AND ANY OFFICER AND ANY O

ester Omichita By 714

COLNEY

Ouachita The Arkansas Coal, Gas, Fire Case & Manuta fire sector, Hot Spirites, Alexandre, Alexandre

#### GOLD AND SILVER

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL NEOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TOSS OF ZOW POUNDS, KIND OF POWER 1889, STAMM MILLS, ETC., AND NAME OF MINE SUPERINREDUREST.
Town on County	
Antimony Howard Ry, Nashville 22,	United States Antumony Co., Philadelphia, Pa., 836 Drevel Bldg, Samuel Richards, prest.; R. M. Smith, seet, and treas, Win, F. Roberts ir, mgr. Cap. 848, 85,000,000. Ofto May, O'Bannon, New Discovery, etc., silver, lead and authinony. Shafts and dumels: retractory; water and electricity; threace.
Bear Montgomery Ry, Hot Springs 310.	New England Mining Co., Portland, Maine, 30 Exchange st. E. O. Clark, prest.; J. M. Russell, seey.; S. W. Roberts, treas, and mgr. Cap. stk. \$500,000. Gold. Tunnel and shaft; refractory; steam.
Ry, 714. Saline	S. H. Whitehome. Rabbit, silver and nickel. Shaft; free milling; steam.
Calico Rock , Izard Jackson Ldg, 809a, 714.	Gertrude Gold Placer Mining Co., Chicago, Ill., Room 4, 194 Clark 81, J. W. Edwards, prest.; W. A. Webber, Seey.; A. A. Webber, Ireas.; J. J. Collins, mgr. Cap. 83k, 81,000,000. The Gertrude, gold and lead. Tunnel; hand.
Delaney Madison Ry, 720.	Bullion City Mining Co., Fayetteville, Ark. L. S. Martin, prest.; D. C. Ambrose, seey.; J. L. Dickson, trens.; Martin & Wade, mgrs. Cap. stk. \$250,000. Gold and silver. Tunnel, 50 tons; free; hand. L. S. Martin, supt.
Elnora Montgomery (P.O. Silver City) Ry. (Hot Springs 310.	Elmora Mining, Milling & Real Estate Co., Aurora, Ill. S. B. Sherer, prest, and mgr.; 1, B. Tripp, seey, Cap. stk, \$1,000,000. Elmora, silver and lead. Shatt; refractory; steam.
Little Rock, Pulaski Ry, 714.	Little Rock Mining & Smelting Co., corner Second and Spring 848. Dixon C. Williams, prest.; B. H. Gedge, seey, and treax, E. K. Pitkin, mgr, and supt. Cap. 84k, \$500,000. Silver, lead, copper and zinc. Shalf (developing), tree; steam.
Silver City — Montgomery Ry, Hot Springs 310,	Bull of the Woods Mining Co. J. A. Hughlett, prest.; J. J. Hays, seev.; J. F. Robinson, treas.; W. C. King, mgr. Bull of the Woods, silver, lead and copper. Open pit and shatt, to tons; refractory; hand, W. C. King, supt.
	Cosmos Mining & Smelting Co., Memphis, Tenn. Win, Strewn, prest.; Joseph Buerger, seey.; Gus Limberg, treas., Max Roller, mgr. Cap. stk. \$3,000,000. Cosmos, gold and silver. Free and refractory.
	Eureka Mining Co., St. Louis, Mo., 22 N. Main St. W. H. Swift, prest., Walter Slawson, seey, and treas.; Charles Cutter, mar. Cap. Stk. 83,000,000. Bully, Sheridan and Kentheky, silver and lead. Shaft; free and retractory, hand. Peter Henan, supt.
	Mrs. Lula Gill. Cap. \$2,000. Silver, lead and copper. Shatts; refractory; hand. Dr. J. C. Bates, supt.
	King & Fisher, W. C. King, mgr. Eureka, silver and lead. Slope; smelting; horse,
**	Minnesota Mining Co. Munnesota, silver and lead. Shaft and funnel; retractory; steam,
	Pease & Hughlett, Cap. \$1,500. Silver Hue, silver, lead and copper. Shaft and open pits; refractory; hand,
**	Waterloo Mining Co., P. W. Williamson, treas, and nigr. Waterloo and Lady Franklin, silver. Shaft; retractory; steam. P. W. Williamson, supt.
	$Wheeler \& 18h Cap, \$15,000 Minnesota and Elnora, silver Tunnel; free milling: \underline{steam F}, M, 18h, \underline{supto-properties}$
	LEAD AND ZINC
LOCATION OF MINL	
BAILWAYS, WATER ROUTES AND SHIPPING POINT	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF DEFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF CIRE, KIND OF MINE, ANNIAL OUTFIT IN TORS OF 2000 POUNDS, KIND OF POWER US-415, NAME LETERS, ETC., AND NAME OF MINE SUPERINFENDENT.
TOWN AND COUNTY	
El Dorado Dist Marion (Not a P. O.)	Chicago Zine Co., Chicago, Ill., 1620 Chamber of Commerce Bldg. Perry A. Hull, prest.; Edward J. Judd, seey, and treas. Cap. stk, \$3,000. Esmeralda, lead and zine. Tunnel and shaft (developing).
	Ozark Lead & Zine Co., St. Louis, Mo., 316/8. Eighth st., G. A. Willey, prest., W. A. Robinson, seey., Fred C. Exter, treas. Cap. stk. \$100,000. Queen Lify, Comstock, Center Point and others, lead and zine, Tunnel and open pix.
Powell Marion Ry, McBee's Ldg, 23.	Linton, Black & Co., I. N. Linton, prest., J. W. Black, seey.; J. R. Potts, trens.; James P. Brady, mgr., Cap. 8th, 825,000. Governor, Eagle and American, lead and zinc. Shart, tunnel, 500 tons, retractory; hand. James P. Brady, supt.
	The Phoenx Zine Mining & Smelling Co., East St. Louis, III. James Menown, prest.; F. B. Runder, seey, and treas. Cap. 8tk, \$1,000,000. The Phoenx, zinc. Shaft.
	The Southern Zine Mining & Smelting Co., East St. Louis, Hl., Estell McHenry, prest., F. B. Runder, seey, and treas, Cap. stk. \$1,000,000. The Southern, zine. Shalt and tunnel.
Vellyille Marion Ry, 809 <i>a</i> ,	Morning Stat Mining Co., W. Q. Seawel, prest, and treas., G. W. Chase, seey, and mgr. Cap. stk. \$500,000. Morning Stat., zinc. Druts and tunnels, 500 tons, hand.
	New York Zine & Lond Co., New York City, 729 Broadway. Sammel Well, prest. Moses S. Lorett, seey.; M. Sterm, treixs, S. H. Enametel, Ingr. Cap. 8th, \$1500,000. Bear Hill, Jay Gould and Lone Pilgrün, lead and zone. Shatts and funnels, 250 fors. horse. W. Q. Scawel, Supt.

#### MANGANESE.

LOCATION OF MIST
RATIOWARS, WATEL TO LESAND SHIPPING FORM:

NAME OF COMEANY OF UNDIVIDUAL, LOCATION OF TERRIPPIAL OFFICERS, CAPITAL SPOCK,

NAME OF MISE, KIND OF ORE, ANNO ALCUMPLY IN TORSOF 2300 FORMS, KIND

OF FOWER USED, BLAST FURNACES, ETC., AND NAME OF MISE SUPPRINTESDENT.

Abbot — Independence W. S. Abbot, Batesville, Ark. Cap. \$200,000. Abbot's Manganese Mines. Sharts, drifts and tunnels, 0,000 (P. O. Batesville) Rv. — tons, steam, crusher, washer. W. S. Abbot, Supl. — tons, steam, crusher, washer. W. S. Abbot, Supl.

# LEGISLATIVE ASSEMBLY, BRITISH COLUMBIA MINING DIRECTORY—MINES.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TOSS OF 2019 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIDERLIES AND	
TOWN AND	COUNTY.	Capacity, Etc., and Name of Mine Superintendent.	
Batesville, Inc Ry, 714,	dependence	Jesse M. Bartlett. Open cut, 4,500 tons; hand and horse; kiln, 360 tons.	
	**	Frank Joblin, Cap. 88,000. Batesville Quarry. Open pit; hand,	
Benton . Ry . Little 398, 714.	.Saline Rock 397,	Arkansas Steatite Manufacturing Co., Little Rock, Ark. Cap. 8tk, \$500,000. The Wallis, soapstone steatite, setpentine and slate. Open, tunnels; steam, kilus, 50 tons.	
Cabin Creek (P. O. Lam	Johnson ar) Ry, 460.	Arkansas Stone Co., Lattle Rock, Ark., 223 W. Markham St. H. Radd, prest.; P. C. Irvong, seey., treas, and mgr. Cap. stk, \$3,000. Cabin Creek. Open plt, 2,538 tons, hand. Win, Barse, supt.	
Hackett. Ry. 720.	Sebastian	A. J. Scott (local). Sand Ridge, stone. Open'pit, hand,	
Hot Springs Ry, 310.	Garland	The Pike Mfg, Co., Pike Station, N. H. E. R. Pike, prest, and mgr., F. M. Tucker, seey, and treas. Cap stk, 870,000. Pike, novaeulite stone.	
	**	James A. Smith, 865 Central av. Cap. 81,000. Open pit, 40 tons. hand.	
**	**	J. J. Sutton, 66 N. Bonden St. Sutton's, 10. Slope and tunnels, 300 tons.	
	**	A. Whiltington, in Park av. Cap. 810,000. Oil stones. Open pit, 100 tons.	
Little Rock Ry. 714.	.Pulaski	Fred Hanger, Cap. 820,000. Open pt, 15,000 (ons. steam.	
	••	Little Rock Granite Co., 208 W. Markham st., Zeb Ward, prest., Zeb Ward pr., seey., treas, and mgr., Cap., 8tk, \$105,000. Granute. Open pit, 30,000 tons. steam, mill., B. C. Miller, supt.	
Lone Rock Ry. Batesvi	Paxter lle soso, 348,	Lone Rock Marble & Mineral Co., Chicago, Ill., Room 4, 194 Clark st., Cummings Cherry, prest; W. A. Webber, seey., Cummings Cherry ir., trees. Cap. 8tk, stoogoo. Lone Rock, red marble. Open pit, hand.	
Russellville, Rv. 460,	. Pope	Ernest B. Kramer (local). Open; hand.	

SEE ALSO SUPPLEMENTARY LIST

LECTIFY TO SIA,

# CALIFORNIA

#### ABBESTOS

LOCATION OF MINE, BAHWAYS, WATER ROUTES AND SHIPPING POINT.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT

San Dueso. Rv. 552, 692.

San Diego – John D. Hoff Asbestos Co., 923 4th st. – John D. Hoff, prest, and mgr.; N. J. King, seey. Cap. 8tk, \$100,000, Open pit, steam; mill, 1,500 tons.

#### ASPHALTUM

LOCATION OF MINE RAILWAYS, WAIER ROUTES AND SHIPPING POINT.

Name of Company or Individual, Location of Phincipal Office, Names of Officers, Capital Stock. NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2000 POUNDS. KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Rv. Steele 551.

San Lais Obispo Bilamier Consolidated Mining Co., San Francisco, Cal., 240 Montgomery st. A. Walrath, prest.: M. P., Bould, esc.y.; G. M. Perme, treas., J. A. Farreinlid, v.-puest, and mgr. Cap. vtk, \$800,000, San Lais Obispo Bilaminous Rock Co.; v. sisphaltum. Open pit, 25,000 tons; band. James Cornack, supt.

San Lius Obispo Bituminous Rock Co., San Francisco, Cal., 240 Montgomery st. A. C. Bossett, prest.; J. A. Finichild, mgr. Cap. stk. 84,000,000. Bituminous rock, asphaltum. Open pit, 20,000 fons; hand, James Cornacks, sup.

La Patera, Santa, Barbara, California, Petroleani & Asphalt Co., San Francisco, Cal., 36 Market St., W. N. Cowles, prest., A. C. Ferry, eP. O. Santa Barbara, Egy, 622.
By, 622.
Santa Barbara, California, Petroleani & Asphalt Co., San Francisco, Cal., 36 Market St., W. N. Cowles, prest., A. C. Ferry, eP. O. Santa, Barbara, Edy, 622.
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M. W. N. Bines, Supt. Las Conchas., Sa, Earbara (California Petroleum & Asphalt Co., San Francisco, Cal., 398 Market st., W. N. Cowles, prest., A. C. Ferry, G. Santa Barthana (P. O. Santa Barthana) (E. California Petroleum & Asphalt Co., San Francisco, Cal., 398 Market st., W. N. Cowles, prest., A. C. Ferry, Step., G. Santa Barthana (P. California) (P. C

Les Angeles (Aos Angeles (American Oil Co., Phillips Block, Room 4, W. E. De Groot, prest., G. B. Griffin, seey., University Bank, Ry. 26, 692. (1988), Roberts, Steam, horse and hand (developing). treas., B. A. C. Ste A. M. Jones, supt.

Mrs. Ida Hancock. La Brea. Open pit, t,000 tons; hand,

Santa Cruz

Santa Cruz Bitumen Consolidated Mining Co., San Francisco, Cal., 240 Montgomery St. A. Wafrath, prest.; M. P. Dond, seey., G. M. Perine, freas., J. A. Fairchild, v.-prest, and mgr. Cap. 8tk, \$300,000. Asphaltum, Open Int. Jacon tones Barol., suppose the present of the pres

Santa Cruz Rock Pavement Co., San Francisco, Cal., 302 Montgomery st., Room S. A. Walroth, prest., M. P. Dond, scey.; Paruli Rank, treas., Geo. M. Ferme, ngr. Cap. stk. \$150,000. Walroth. Open pat. 12000 fous, horse and hand. Santa Maria, Sa, Barbara, Santa Maria, Asphalt Co., S. Kaiser, prest., J. Kaiser, seey., L. M. Kaiser, treas., M. Maryanski, mgr. Ry, 551, 552.
Cap, 8tk, \$250,000. Open pit and shatts, horse.

Ventura

Ry. 692.

Ventura - Ventura Asphalt Co., San Francisco, Cal., 220 Sansome St., Room 70.—Gen, T. B. Bunting, prest, and mgr.; Frank A. Brooks, seey, and treas. Cap. stk. \$1,000,000. Ventura. Shalt and timnels, 2,000 tons.

#### BORAX

LOCATION OF MINE. RATEWAYS WATER ROUTES IND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL LOCATION OF TRINCHAR OFFICE, NAMES OF OFFICERS, CALITAL STOCK, NAME AND KIND OF MIST, ANSUAL OUTFUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, AND NAME OF MINE SPECIALD NORMAL

Daggett San Bernardmo Paeific Coast Boray Co., San Francisco, Cal., 230 Montgomery St. F. M. Smith, prest. A. H. Clough, seey. Ry. 28, 302 Cap. stk. 81,300,000. Calico Borate. Shafts and tunnels, steam and horse, J. W. 8, Perry, sunf.

#### COAL BITUMINOUS

LOCATION OF \* .NE. BAILWAYS, VALUE LOCKES AND SHIPLING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAMITAL STORA NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POINDS, KIND OF POWER USED, COAL BREAKURS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT

Carbondate

Amadot - Jone Coal & Iron Co., San Francisco, Cal., Fourth and Fownsend sts. (8, 17) Gage, prest., A. J. Treat, seey., By. Bons — Pacitic Improvement Co., treas., Cap. 8tk. \$1,000,000. Aline 3. Stope, 25,000 tons, steam. Frank Francs

(P. O. Ione) Ry. Bon-kers 692. Carmelite P. O. Pacific Grove By Carmel Bay 55g.

Monterey Carmels Land & Coal Co., San Francisco, Cal. J. S. Emery, prest., Wm. T. Baggett, seey., Abner Dobbe, ic Grover — treas., Abner Bassett, mgr. Cap. 8tk. 8000,000 Carmels, Shatt, 1,000 tons, steam. Abner Bassett, supt.

Fresno Calmajnaj Coal Co. F. Miers, prest, and treas., Thos. R. Muir, seey, and mgr. Tunnet, 6,000 tons, hand Rold Ballantine, supt.

San Joaquin Valley Coal Mining Co., Presno, Cal., 944 Lst., J. F. Rawlins, prest., Edward Konntze, seey, and high., Bank Central Cal., treas. Cap. 8tk, 8309,000. San Joaquin, Slope and funnels, steam. W. L. Pfosser, supt.

Monterey John Clayton,

San Diego San Diego Ry Del Mar Staffin 26. San Diego - City Lands Coal & Oil Co., 549 E.St. - W. A. Ferrer, prest., F. H. Divon, sery., Nevada Bank of San Francis Staffu 26. — cisco, freas., Win-H. Carlson, negr. - Cap. 84k, 8400,000. City Lands. Shatt. - Win, H. Carlson, supt. Tows

Tows

#### COPPER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OFFFIT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, LURNACES, ETC., AND NAME OF MINE SUPERINTENDENT

AND lone Ry. 692.

Amador Newton Copper Co., San Francisco, Cal., 420 Montgomery St., Room 4. Horace D. Ranlett, prest, and mgr., W. R. Morton, seey., Bank of California, treas. Cap. 8tk, \$200,000. Newton, sulphuret. Shaft, steam. turnace

Spenceville Ry. Wheatland 692.

Nevada Woehler & Pietzsch, Cap. \$25,000. Spenceville and others. Open pit, steam and water,

#### GOLD AND SILVER

LOCATION OF MINE. RATEWAYS, WATER BOUTS AND SHIPPING POINT. AND

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE KIND OF ORE KIND OF MINE, AND OF OUTPUT IN TORS OF 2 00 POLYDS, KIND OF POWER USED, STAND MILES, UTC., AND NAME OF MINE SCREENLENDENE.

Ry, 692.

COUNTY

Los Angeles E. Beckman, W. W. Hollister, C. W. Cook and James Kelley, Santa Barbara, Cal. Padre, gold. Shaft, free, steam, 2 stamps. Thomas Kelley, supt.

E. B. Millar, Los Angeles, Cal., 139 S. Broadway. Red Rover, gold. Shafts and tunnels, 4,000 tons, tree, sterni; 40 stamps. Ed. Brough, supt. Mount Gleason Waning & Milling Co., Los Angeles, Cal., Station 26. A. F. Mackay, prest., J. A. Jones, seey, and lugr., Fathers' & Myrchauts. Bank, trens. Cap. stk, 850,000. Mount Gleason, gold. Funnels, tree and retractory, steam, estamps. J. A. Jones, supp.

Altaville Calaveras (P. O. Angel's Campo Ry, Milton 692,

Altaville Quartz Mining & Milling Co., B. R. Prince, mgt. Altaville, gold. Shatt, tree, steam and water. s stambs

Eclipse Mining Co., San Prancisco Cal., 402 Montgomery St. David Salheld, prest. Lems Bendel, treas: Win. Schmaedeke, mr.t. Cap. 8tk. 81,000,000. Evening Star, gold. Shatt and funnel. Greek, steam and water. James J. Schmaedeke, spil. Bunker Hill Gold Mining Co., Philadelphia, Pa., Painker Hill, gold. Shatt, agoscious, tree, water and steam, arstamps. John Weess supt.

Amador City Aniador Ry, Ione 692 (12 notes)

Gold Monntain Minurg Co., San Francisco, Cal. 21. Grant av. Frank M. Pyvley, prost., J. F. D. Curtis, soey., Bank of California, Irvas. Cap. 8th S20,000, Gold Monntain, gold. Tunnels refractory water, 20 stungs. W. B. Larwith, sod.

Grover Minnig Co., San I tanesso, Cal. Javand P. I remont 81. J. S. Linety, prest. R. McF. Doble, seev. Auglo Gilltonia Bank. Inicrod., Treas., Johns Call., Ingr. Cons. wisk 84,000,000. Grover, gold. Shaft, 22,000 1008, Prec., water, Steam and electricity, 2084anips. A Tr. Call Son. N. Hamberger, Gold, shaft, follows, borse

stone Consolidated Mining Co., San Francisco, Cal., To Pine st., M. A. McDonald, prest, and mgt., H. Isham, seey., Pacific Rank, Brass. Keystone, gold. Shafts. (Bo., Steam and water To Statups.) Hale, supp. South Spring Hill Gold Mining Co. Frachburg, Mass. George F. Morse, prest. Nalaum Hartwood, new T. H. Goodhow, seev. Cap. 848 S. 200000. South Spring Hull and Talisman, 201d. Shaft, 24000 four 1997. https://doi.org/10.1016/j.jan.2014.

Angel's Campi, Calaveras Ry Milton 602, 22 miles

Angels Quartz Minurg (o., San Trancisco, Cal., 12 Nevada Block. J. V. Coleman, prest., T. F. Preston, seev., T. J. Schuyler, trens. G. H. Lov, supt. and. ingt. Cop. 8th 8500,000. Angels, gold. Shafts and seey, T. J. Schuyler, treas G. I tunnels, tree, water, developin;

Po mules

Gold Hill Mining Co., Chicago, Ill., of Calmiet Eldy. S.A. Eyland, prest, and myr. W. G. Stephens, seev. San'l Brown et al. Cap. Stk. 855000. Cold Hill. gold. Slope, Juniel, 4500 fons. Tree, water, to stanges. S.A. Ryland, supt. Remington, Porter & Gates Maning co., Waterfown, N. V., J., M. Gates, prest. M. F. Cleveland, seev. W. H. Porter, freas. Carson creek, gold and sliver. Shaft, 4storetons, free and refractory, water.

stamps, T. W. Roberts, supt. K. Stevenot, Sonoma et al., Aunderbilt, Rothschild, Bright Stat and Chaparral Hill, gold quartz. Tun-nels obveloping. Tree and retractory water. S.Stampe.

ar mides contrattes a

Utrea Mining Co., San Prancisco, Cal., 221 California St. C. D. Line, mgr. and supt. Utrea, 2014. Shatt. Egonitons, tree water sustamp-

Voburn Placer Try 69.

Copwin, Ough & Logano, J. M. Ough, mgt. Mountain View, gold. Tennel retractory, wa'er. G. B. COLWID, SHIP Manimoth Bar Gold Mining Co., D. W. Labeck, prest. R. I. Oana, seev., Walter S. Davis, treas, and mgr., Cap. 8tk, 84,00000, Manimoth Far, 20ld. Place C. water. Walter S. Davis, 8upl.

Mina Rica Gold Mining, Co., New York City, corner Pulton and Nassinests (J. Q. Preble, prest and mer N. P. Hale, seek, V. V. Lewis, treas, Cap. 8th 820000 Mina Rica, 20ld. Shaff, free water Samps, J. W. We fullouch, sind

Bangor Patte

Charles F. Reed & E. J. Hubbard. (add Blossom, gold. Shatt retractory, water testamps.) C.F. Reed. Bishop Muning Co., W. W. Will, pre C. John Q. Will, seev., Bird Will, treas, and mgt. Cap. 8tk, 830,000, Bishop, gold, gravel. Shaft, 15,000 tons, steam. Bird Will, supl

Ry. Honeut 602

Blue Lead Gravel Maning Co., Guidley, C.d., R. F., Taylor, prest., F. H. Mack, Serv., W. M. Brown, freas, Samuel Grove, m.,r. Blue Lead, gold. Shaft, Steam. Samuel Grove, sup.

Pluc & Gold Mining Co., Cap. 810,000. Blue and Gold, gold. Shatts, free, steam, 2081amps. Hay & Clark. Catskill Gravel Mining Co., Marvyville, C.d., A. W. White, prost., T. U. Weck, seev., Win. Klein, Ite is, eap, stk, 800,000. Catskill, gold. Shaff, 800,000. J. D. Campbell, 80pt.

Barmer Sar Ry Fosters 649

San Diego Baumer Mining Co., Pomona, Caf. George Rhoten, prest, Atelia Thompson, sew. National Bank, teas 649 (ap., stk., Surgino.). Chemital Robe and Cothers, 201d. Shatt and furned tree steam. To steep 9. U. C. Laine, supt.

#### GOLD AND SHAVER (CONTINUED).

LOCATION OF MIN RAILWAYS, WATER RO AND SHIPPING POIN TOWN AND CO	UTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
Banner . San l	Diego	Irving L. Carl & A. E. Cowels. Cap. \$25,000. North Hubbard, gold. Tunnel, 800 tons; free; Steam; 5 stamps. Irving L. Carl, supt.
		Ruby Mining & Milling Co., San Francisco, Cal., 406 Market st. L. E. Lee, seey., treas, and mgr. Cap. stk. \$50,000. Wilcox and Ruby, gold. Tunnel, 2,200 tons; free; steam; 5 stamps. L. E. Lee, supt.
		Schapparrell Mining Co. W. W. Boswell, mgr. and supt. Schapparrell, gold. Shaft, tunnels, etc.; free; hand.
Bath Ry, Colfax 692.	lacer	Breece & Wheeler, San Francisco, Cal., 1400 Post st. Judson Wheeler, seey, and treas. Cap. \$200,000 Gold. Tinmel, 12,000 fons; placer, steam and hydraulic; 10 stamps. W. H. Grenell, supt.
Bear Valley Mar Ry, Merced Cit (40 nules).	Tposa y 692	Burt & Bach, Cap, \$15,000. Green Stone, gold. Shaft; free; steam; 5 stamps.
	**	Cathey Bros. Jubilee and Daisy, gold. Shaft and finnel; free; water; arrastre.
	.,	Mariposa Consolidated Mining & Milling Co., San Francisco, Cal., 224 California St. Col. Haward, prest. C.T. Budge, seey.; Burt M. Fadden, mgr. Mariposa, Grant, gold. Shait; free and refractory; water 5 stamps. A. C. Hamilton, supt.
Benton, Ry, 108,	Mono	Phoenix Mining & Milling Co., San Francisco, Cal., Nevada Block, Room 69. John F. Millner, prest., A K. Durbrow, seey.; Bank of California, treas., Arch. Farrington, mgr. Cap. stk. \$1,000,000. Phoenix gold. Shaft, tunnel and slope; free; steam, 10 stamps. A. Farrington, supt.
Bishop Ry. Poleta 108.	Inyo	O. H. Hill & Co.   Geo, F. Willis, mgr, and supt.   Georgia, gold.   Tunnel, 20 tons; free; steam; 5 stamps.
Ry, 692.		Black Bear Quartz Mining Co., San Francisco, Cal., 230 California St., John Daggett, prest, and mgr.: J F. Nesmith, seey.; Bank of California, treas. Cap. 8tk, \$3,000,000. Black Bear, gold. Tunnel; free water, 32 stamps. John Daggett, supt.
Bodie Ry, Hawthorne, 108,	Mono Nev.,	Standard Consolidated Mining Co., San Francisco, Cal., 310 Pine st. Thomas H. Leggett, prest, and mgr. I. W. Pew, seey, and treas. Cap. stk. \$10,000,000. Standard Consolidated, gold and silver. Shaft and tunnel, hadou fons, Free, steam; 20 stamps. Thomas H. Leggett, supt.
Brown's Valley. Ry. Marysville 6:	Yuba 2.	Jellerson Gold Quartz Mining Co., Marysville, Cal., P. O. Boy 397. F. W. Johnson, prest.; G. W. Harny seey. Ridcont Bank, treas; A. J. Schultz, ngr. Cap. 8tk, 8100,000. Jefferson, gold. Shaft, 25,000 tons free; deam; 16 stanips. A. J. Schultz, supt.
		Johnson, Swezy & Brown, Marysville, Cal. Dexter, gold. Shaft, tree; hand,
Brownsville, Ry, Honeut 602	,Yuba ?	Renben Clark, Cap. \$50,000. R. C., gold. Shaft and fininel, 5,000 tons, free and refractory; water; F stamps. J. C. Campbell, supt.
**		Johnson Mining Co., R. M. Johnson, prest, and seey., H. A. Conwell, Ireas., R. W. Emerson, mgr., Cap 82,000. Johnson, gold and silver. Shaft and funnel, 2,000 tons, free and refractory, water; 5 slamps R. M. Johnson, supt.
**	**	T. H. Steel, Cap. \$50,000. Gold. Placer; hydraulic.
Butcher Ranch Ry, Auburn 692,	Placer	Gray Eagle Mining Co., San Francisco, Cal., 303 California St., H. W. Gray, prest., A. W. Barrows, eccy, Wells-Fargo Bank, treas., T. G. Diriting, mgr. Cop., Stk. 81,000,000. Gray Eagle, gold. Placer, fining shaft and slope; Steam, 10 stamps., T. G. Durning, supt.
	••	Spring Garden Mining Co., San Francisco, Cal., 737 Ellis st. J. A. Wudber, prest.; A. C. Wulber, seey, Wells, Farge v Co.'s Bank, treas. Cap. stk, 84,000,000, Spring Garden, gold. Stope and funnel; placer steam and water. Geo. F. Stone, supt.
Butte Valley P Ry, Cluco 692.	lumas	R. Bemrick, A. G. Kont, prest., Hugh Kelley, seey., C. H. Lee, treas., R. Bemrick, mgr. Cap. 8th \$5,000. Nip and Tuck, gold. Tunnel, 3,000 tons, free, water; 40 stamps. R. A. Caston, supt.
**	**	Butte Valley Mining Co. Cap. stk. \$3,000. Butte Valley, gold. Tunnel and placer, water. C. H. Lee, Supt
**	**	A. N. Cameron, Cap. \$7,000. River View, gold, Tunnel; placer.
**		James Firmstone. Daisy, gold. Placer, 3,000 tons, hand.
1	**	N. Meadows, Cap. 83,000. Allen Cove, gold. Tunnel.
	**	A. G. Rape. Cincinnati Hill, gold. Placer.
		Teodor Willner, Jawbone Flat, Cal. Cap. \$3,000. Luln, gold. Placer, tunnel, band.
Caheo San Berna Ry, Daggett 26,	ardino	De Sota Mining Co. De Sota, silver. Shatts and tunnels, tree; hand,
		Thomas Gray. Luc Mine, silver. Tunnel, shatts and slopes, free, hand, to stamps. J. L. Porter, supt
		Fred Heber. Hyena, silver. Tunnel: free, hand.
••	**	Silver King Mining Co., Ltd., London, Eng., 3 Great Winchester St. W. Hosking Ashlin, seey. Orienta Group and 3 others, silver. Shafts, Jamiels, slopes and drifts, 36,000 tons, free, steam; 30 stamps Win, S. Edwards, supt.
		Tracy N Stebbins. Silver. Shaft and timnels, 2,500 tons; free; steam, 5 stamps.
**		Waterloo Maning Co., Milwankee, Wis. C. M. Sanger, prest.; W. H. Metcall, seey., C. T. Bradley, treas. E. A. Sanger, Ingr. Waterloo, Silver King and others, silver. Shafts and funnels, 75,000 fors, free steam, 75,54anjas, Jos. Kerbangh, supt.
Calistoga Ex. (01)	$\times$ apa	Knapp Consolidated Mining Co., J. D. C. Knapp, prest., W. D. Smith, seey., P. M. Scheig, treas. Cal

Calistega Napa Kanap t ensolidated Mining Co., J. D. C. Kanapp, prest., W. D. Smith, seey., F. M. Scheng, freas. Capsilla, School, M. V. View, Clevedand, Nellie, Silver Vem als mith, gold and silver. Tunnel and solpes, 10,000 fons, free.

" Palisade Wining Co., R. T. Grigsby, prest., freas, and logr., R. A. Grigsby, seey. Cap. stk. S00,000.
Palisade, gold and silver. Shaifs, funnels, 3,000 fons, retractory, steam; 15 stamps. R. F. Grigsby, supl.

Calumet . Shasta Calumet Gold Mining Co., San Francisco, Cal., 58 Chroniele Bldg. Wilmot H. Garbek, prest, and freas., A. B. Paul Jr., seey., Alman in E. Paul, mgr., Cap. stk. S00,000, spil.

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# GOLD AND SILVER (CONTINUED).

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORDER, KIND OF MINE, KIND OF HOME USED, STAMP MILLS, FIG. AND AMA OF MINE SEPRIMINENDENT.
TOWN AND COUNTY	OF FOWER USED, STAMP MILLS, FIG., AND NAME OF MINE SUPERINTENDENT.
Campo Seco — Calaveras Ry, Valley Springs 26,	
Cariboo Plumas (P. O. Butte Valley) Ry, 692,	
	J. E. Carr. Cap. \$40,000. Nash, 20ld. Placer; hydraulic.
	Strode & Bander, Cap, \$10,000. Oro Grande, gold. Tunnel, 5,000 (tons, free, water, 5 stamps
Carsons Calgaeras (P. O. Angels' Camp) Ry. Milton 692.	Joseph Canepa, Canepa, gold. Shaft, tree and retractory, hand.
	H. B. Boland, A mon Jack and Protection, silver and lead. Tunnel, hand
	Thomas Boland. Cap. 85,000. A mon and Enterprise, silver and lead. Shaft, 800 tons - refractory, 81e.cm
	J. Donerley & C. Benton, Cedar, silver, Slope, tree, hand,
**	John Dunphy. Morning Star and Phoenix, gold, silver and lead. Shart, 4,00 tons, retractory, horse and hand
	W. L. Hopkins & W. Carey. Faith and Hope, silver and lead. Shatt retractory.
	Union Co., Carson City, Nev. H. M. Vernigfon, prest. G. F. Ford, seev., Wells, Largo & Co., 8 Bank, trens. Cap, 84k, 8bo00,000. I mon, silver and lead. Shart and funnel, 290 fons, retractory
Cherokee Batte Ry. Chat 491,	T. F. Emmons, Greenville, Cal. Altona, gold. Tunnel, 1,50 tons (free, water, 40 stamps)
	F. Sutton X Win, Symons, Sonora, Car. Cap. 8tk. 85000 - Carlotta, gold and silver. Shatt, 500 tons. Tree, horse. Win. Symons, supt.
By, 692.	Hard Lack Mine - John Long, mgr - Gold - Shaff, tree
Cleveland Trunty (P. O. One) Ry. An derson 692.	Tehama Co. Bank, Reas. Cap. 8tk. 850,000. Bully Group and Cleveland, gold and silver. Timnels, 4,500 fors, free and refractory, steam, 10 stamps. R. G. Harrist, supt. and mgr.
	Mineral Chief Consolidated Mining & Millings on Bridgeport (Ed. A. F. Bryant, press. A. O. Parker, seey), Henry Williams, from J. C. Sharpe, neg. (Cap sik 815 or). Mineral Chief, gold. Shaff and fining tree, horse, T. C. Sharpe, sept.
	Rattler Mining Co. Battler, gold. Turnels,
	John H. Sheehan. Semimers and Kintuck, good and silver (1) at c's (tro) steam [78] stages
Ry, Raymond 692	McKenzie & Rule - Last Chance, gold - Free steam fest mps
	Waterloo Gold Mining Co., San Lances of Cal. Is P. s. st., M. Lindo the prest., J. Mariay Bailey, socy., from and mir. Cap. sta. 8,500,000. Paylorster and Mp. (1, 2002). Trunels and shafts, forestons, free steam, Jostanijas, J. D. Bean, sopt.
Coles . Siskiyon Rv 692 eto miles .	1 T. Bartleff, Banger, gold Shaff, tunnel and open pit, 70 lons (free,
	Patterson Bros. & Payne - Win Patterson, mg) - Patterson, gold - Water
	G. D. Willey, Hornbrook, Cal., G. D. Willey, prest and mgr., A. P. Hill, seev., C. P. Baumgardner, treas., Cap. 825,000. [Louisiana, golo, Paiec), water and hydraul c., Win Casey supt.
Coltax Placer Rv. 692.	Henry McManus, New York (tay, a) Wall st. Ris no Sanogene, Scatt. tree, steam, we shamps $(W,1)$ . Pherce, supt.
Columbia Inolumne Ry, Oakdale 26,	$\label{eq:conditional} Conlin & Graham, \ Interprise, zold - 8 \ arts \ and \ tunnels - tree, water - 4 \ stamps. \ Augus 8 \ Graham, supt.$
	Tugelke X to = J. D. Fugelke, high—Lyperamental, gold—Shatt and funnel, 1,500 tons. Tree, water—for stamps.
	Last Chance Mining Co. Last Chance, gold. Open pit: tree and retractory, steam $\beta$ stamps. A. C. Tibbits, supt.
	Noonday Mining Co., Oakdale, Cal. J. W. Woodside, prest and trens., A. S. Dingley, seev. T. H. Wat- ner, high Calp, sike Styton Noonday, gold. Staff and slopes, 700 four tree and retractory, steam is stamps. T. H. Watner, supp.
	Louis Page & Co., Golden Pia, gold. Shaff, Loue fors, tree, water [5] stamps. Touis Page, supt
**	Adduts & Green. Last Chance, gold. Short tree steam, "estamps: 1. C. Libbets, sept.
	Vine Spring Mining Co., C. B. Lilley, prest. J. H. Tyler scey, J. B. Barnett, trees, F. L. Wellberson, and Cap. stx, \$20,000. Vine Spring, 25dd. Shaff and tunnel, 5000 forms, tree, water Joeslamps. F. L. Wellberson, single
Copley Shasta Ry, 545.	Balaklala Mining Co., Redding, Cal., S. Web, prest. $A(C, T, h, s, m_2)$ . Balaklala, 2-dd. and (s. $ae^{\pm}$ ). So at and tunnel, tree and retractory. $A_s(C, F, h, s, s, p)$ .
	Polar Star Mining Co., Cap. 81,500 Polar Star, gold Pranton Lood fors, retrietory, W. W. Niches, supt
	Henry Bulling. Indian Queen, gold. The nel, soctors, the content acceptate.
	Van de Veer & Bullard. Scotche hier and Souta Cara, $z_0 = -1$ and 4.500 tons (tree 2) for

#### GOLD AND SILVER (CONTINUED).

LOCATION OF MINE, RAILWAYS, WATER ROUT AND SHIPPING POINT.	NAME OF COSTRANY OF UNDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE KIND OF MINE, ANNUAL OUTFUT IN TOSS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, FEC, AND NAME OF MINE SCPERIMENDESS.
Town And Coun	TY
CopperopolisCalavet Ry. Milton 692.	as Haggin & Hearst, San Francisco, Cal., 51 Nevada Block, Trwin C, Stump, seey, and treas.; August H, Schnabel, mgr. Hicem, gold. Tunnel; steam; mill. August H, Schnabel, supt.
Cottage Grove Siskiy Ry, Yieka 692,	on Thomas Dobbins & Fred Martin. Cap. \$2,000. Dobbins, gold. Placer; hydraulic.
	George Ten Eyek, Cap. \$15,000. Gold. Placer; hydraulic, H. Win, Thomas, Gold. Placer.
Coulterville . Maripe Ry, Waterford 692,	sa P. P. Mast, Springfield, Ohio, P. P. Mast, prest.; C. L. Mast, seey., treas, and ingr. Cap. \$120,000. Banderita, gold and silver. Tunnel; free, water, 40-stamps. C. L. Mast, supt.
	Tyro Mining Co. F. C. Jarvis, prest.; N. W. Crocker, seey, and treas.; Charles Sutherland, mgr. Tyro, gold. Shatt, 7,200 tons; free, refraetory, steam, 40 stamps. Charles Sutherland, supt.
	Airginia Mining Co., Springfield, Ohio, J. W. Crowell, prest, and seey.; C. L. Mast, mgr, and supt. Cap. stk. \$50,000. Virginia, gold, silver. Shatt, tunnel, slope; free; steam; 10 stamps.
Crescent City — Del No Ry, 552.	te W. Engley & Wagner Co. A. W. Engley, prest.; C. M. Wagner, seey, and mgr.; H. Stowe, treas. Myrtle and Smith River, gold, silver and copper. Open, placer; water. C. M. Wagner, supt.
Cuyamaca San Du Ry, Lakeside 649.	20 Estate of R. W. Waterman, Waldo S. Waterman, mgr. Stonewall, gold. Shatt, 25,000 fons; tree; steam; 20 stamps. Waldo S. Waterman, supt.
Daggett San Bernardi Ry, 26,	no. S. P. Blade. Sampson, silver. Free and refractory.
	Clark Bros. Queen of the Desert, Mainmoth Chief and Meteor, gold and silver. Free; steam. F. L. Clark, supt.
	William Hyten & H. T. Smith. Wanderer, gold. Free,
**	Riggs & Campbell. Banner, Dandy and others, gold and silver. Shatt and tunnel; free, hand. Frank Riggs, supt.
**	Riggs, McMahon & Riggs. New Year's Giff and others, gold, silver and lead. Tunnel; retractory; hand, Frank Riggs, supt.
Damaseus Plac Ry, Colfax 692 (23 n	
**	Pioneer Mining Co., San Francisco, Cal., 239 Montgomery St. L. C. Bresse, seey. Pioneer, gold. Tunnel, 8,400 tons, tree; water; 20 stamps. D. J. Sullivan, supt.
Darwm In Ky. Keeler 10s,	yo. J. A. MacKenzie. Lucky Jun and Christmas Gitt, silver, lead. Shaft and tunnel; retractory; steam,
**	Pinemy, Mining Co., San Francisco, Cal., 344 California St. Silver and lead. Slope, 100 fons, 'refractory, horse. May Schoen, supt.
	P. Reddy, San Francisco, Cal., 330 Pme st. Geo, H. Hardy, seey. Defiance and Independence, gold, silver and lead. Shatt and timilel, soctons, retractory, steam. E. V. Reddy, supt.
	Chas, Richardson, Cap. \$1,000. Good Hope, gold, silver and lead. Shaft and bannel, 50 tons, retractory, band.
Deadwood 11 m Ry Redding 692628 n	ty J. T. Brown. Gold. Placer, hydraulic and arrastre.
**	Brown Bear Mining Co. F. O. Hollingsworth, mgr. Brown Bear, gold and quartz. Tunnel, 6,000 fons, free, steam, 45 stamps. G. E. Sargeant, supt.
	Mrs. Mary Palan. A ermont and Sir John, gold. Tunnel, too tons; tree, steam, mill.
	Harkness Mining Co. Harkness, gold. Timnel. J. H. Frissell, supt.
	James Kelly. Emmet, gold. Junnel, tree, water, arrastre.  Lala Murug Co. (Lila, gold.) Tunnel, tree, steam, mestamps. Theo, Gross, supt.
	D. O. Morehead, Forest Hill, Cal. Cap. \$5,000. Cenfer, gold. Tunnel and slope; free, horse.
	Thorne Bros. Two Brothers, gold — Funnet and shatt, tree.
Descritso . San Die By Laiceside (49) 25 n	go Charles Ellis. Independence, gold. Shatt and tunnel, tree
	1 Noble & Sons. Eureka, gold. Tunnels and shatts, free, water, 2 stamps.
	Dan, Oned. Gold. Shatt (developing), tree, water. Gilbert L. Seybold. Cap. \$1,200. Cascade, gold. Shatt and open pit, t5 tons, free, hand and water. G.
Diamond Spg., El Dora	L. Seybold, supt. do R. I. Morrison, Cap. 825000 Mathines Creek, gold. Shaff and funnel (developing), free, water, bull.
Ry, Daimond 692, 19Hop Siskiy	R. I. Morrison, Supt. on. Halvorson & Lard. Cap. 85,000. Horse Shoe Bend, gold. Placer, hydraulic. A. Halvorson, Supt.
P. O. Cottage, Gro- Ry Vicka 632.  Dogtown Fldora (P.O. Grizzly Plate) Placerville 602.	do Waley Sexton - Kurg, gold, - Placet, hydraulic.
	13. Black Hawk Gravet Mining Co., San Francisco, Cat., 1010 Washington st. James Brodie, prest, and mgr., Samuel D., Sammons, Seey, and Ireas. Cap. 8th/8406000. Black Hawk, gold. Open, placer, water.
	Gold Bluff Mining Co., New York City, of College place—John H, Piper, prest., Pufmain Conklin, seey., V.E. Williams, Gress, Win, Kraff, mar. Cap 848, 856500). Gold Bluff, gold. Tunnel, 48000 fons, Gress water 2084amps. William Kraff, suppl.
	Producted Manager to a territory of the Nov. Com. T. Malls again to P. Novas spect. M. Colin Freis, W. W.

Red Oak Mining Co., Carson City, Ney. Goo, T. Mills, pre 1. S. R. Noyes, seey. M. Colin, Ireas., W. W. Mason, nigr. Cap. 4k, \$5,000,000. Red Oak, gold. Tunnel, placer, hand. W. W. Mason, supt.

Dunlap

#### GOLD AND SILVER (CONTINUED).

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY NAME OF M
AND CHIEFTING TOTAL	OF

YOR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES O. OFFICERS, CAPITAL STOCK,

AND S	hipping Point.	OF POWER USED, STAMP MILES, ETC., AND NAME OF MINE SUPERINTENDENT.
Tows	AND COUNTY	OF TOWER USER, STATE SILLES, E.D., AND NAME OF MINE SUPERINTENDENT,

- Ry. Fresno 25 miles. Moore & Davis. Oro Fino, gold. Shart and tunnel, too tons: retractory, water, arrastre. S. C. Moore, supt.
- El Dorado E! Dorado Church Gold Maning Co., San Francisco, Cal., 303 California St. Thos, R. Church, prest. A. W. Barrows, seev., W. W. Montagne, treas. Church, gold. Shaft and Jamels, 7,000 fons, tree, water, to stamps, James Bichards, supt. Ry. 692.
  - J. M. Vandegriff, "Los Padrie, gold," Shart, Tree and retractory, water,

Fresno, J. W. Coffee, Cap. \$5,000. Homestake, gold. Placer.

- Obange Santiago Canyon Silver Mining Co., Los Angeles, Cal., G Riyson Bonebrake Block. R. S. Law, prest., W has A. Vandefesonk, sew., treas, and high. Cap. 84k, 82,000,000. Santiago Canyon, gold and silver a Sharts tumeds and slopes, 1900 tons, retractory, water and hand, envisees and concentrators. T. D. Howev El Fores Ry. McPherson 26.
- Flat Creek Shasta (P. O Copley Ry. 545. Shasta Morton & Mootes Gold Maning Co., Copley, Cal. A. P. Machell, prest. Luke Mitchell, secy. Omar Morton, treas. Golden Call, gold. Shart and Johnel, free water. Dotte Forbestown
- Bazar, Hayward & Vad, San Francisco, Cal., 220 california st. A. Hayward, prest, seev. and reas. Suffers, gold and silver. Shart, tree, water, 40 stamps. H. E. Vad, supl., and mgr. Ry. Onovellence. Sam.
  - Becliffe Mining Co., Do bive, gold. Shart and funnel, tree, steam is stamps Mrs. M. V. C. Blake: By three and Lytension, gold: Shart and tunned precesteam is strongs

  - Carlosie & Boggs Carlos e, gold and silver. Open pat and humbel perhaptory white old Cot (2) Shipships Edison Mines - Edison go'd and silver - Limited (free - L. R. Hattison, sopt), nd mgr.
  - Col. A. Hayward, San I rame see, Cal., 2,4 Cal form a st.—Shake prices, gold and salver—Shaft, iso tons free shearn to champs—G. W. Proc., 8 pt.
  - Kendalf & Roberts Garden Ranch gold Placer, water A. I. Roberts, supr. and mgr W. W. Stoy, San I i are sco, Cal., 468 Ca. formal st. Coort Bank, a did and silver. Shuff and Contest tools. Tree and retractory by the "do stamps and concentrator." Harry P. Stoy, supt.
- Sectal Bald Mountain Externing Gold Managers, Downley Bertal Robert Lorbes, prest, al. W. Grean, very and 40 m. Treas Cap. The section of Robert Mountain 201d. Transel. Win Meddle, supple Forest City Sort Ry, Nevada 1965 40 m.
- Lorest Hitt. Homestake Consolidated Charte Mining Co., Homestak, Lob., Lamed Troc., water Astamps, D. A. Placer By, Collary 692,
  - v. Flower to rivel Managero. Sinclin in seq. Ca'  $\rightarrow$  15 to -1. Reson M. Kent,  $\phi(v)$ . Bank of Colorin a, these Cap  $\phi(k) \sim \cos(\phi(v))$ . Motions, the setonia and water  $\phi(s)$ -in Harton 1 Power, sept. one: The composit press D. May Leever, out Tarne so, an
- Chas, F. Rood., Drommond, gold., Shatt and Carro, a coordinate resistance.
- After Bros. Co. Omotz Valley, Cal., Thos. After prest, H. S. Mathews, cov. A. L. Carboo, trees. Televical Articlem. Co. Sciences, Co. Sciences Lort Jones Siskitoni Ry. Arcka etc.
- Literach Circleb Shasta Wm Brown Sited, gold. The amoretractory states in S Ry, Redding 692.
- Glaskene Mann, Co., C'eveland, Oho, 201 chat y 13 f. Processor 1 f. C. Rensons in no co., C. J. Curk, ngr. C. q. stk., 812000 Ghalston, 201 f. Lune, concerns steam dressness trape of J. Chek, sunt.
- Rozertaus Mining Co., San Francisco, Caf., 39 Metchants, F. et alge. H. S. Roccusior press. A. F. Rall, scoy, and Brass. H. S. Morey, mgr., and supf. Cap. sit. Sobore. Rozertaus, gold. Sops. of veloping., they, stem in totalings.
- hose Valley Gort Manua, Co., San Transson, Co. Ny reachesis, above a taries, prost of a small meritahagon Strellfeld H (see y., Car. Stars From Londonson, 2). Shaft (continue to Londonson December 1) strains a star position of the star properties of Planas Ry, Reno, Nev., 69.,
- coldinal Province Value Angustus Grancia (ed.) (1) (2) (1) (2) (2) (3) (ver one of piech Langel band and value, areastr Banner Gold Mining & Wellie, C. San, Crivers of G. 1974 plant, st. P. G. Welster prest seed frees. C. C. Rhydes men, Cris std. Sociot. British. J. 11. South. For four sternings of the Gleneoe Calaveras Ry Valley Springs 602
- trees V 'Rhob's mer, o stamps, A. J. Rhodes, supt. Industratt Mirang & Malling Co., Sar. Francisco, Cal., 49 Montgomery st., 40 E. Mellitosh, press., and mer. J. B. Gattland, seew. C. Shou, 96 (s. Cap. stac. Sci. 80). Industrial, 2014. Staff, we long stress steams, becaming. D. R. Mellitosh, outp.
- Gold Rock Camp 8 Dugo (19 ank) (Aoung & Florius Johnson) Gold Rock gold (Shatt and funnel, from tors) tree steam. Thos, Ry Ogdry (eg. Johnson, supt.
- Gotheru's Stati'n Ventura (Prazier Manug Co., Los Auge'es, e.,d., 1 nst National Bank Bidg., John D. Backned, prest (Prank Commits seeg., Prist National Bank Bidg., John D. Backned, prest (Prist National Bank Bidg., John D. Backned, Prist National Bank Bidg., John D. B
- Nevada Gaston Ridge Will & Mining Co., San Francisco, Cal., 42 Sactamento st., 4 M. Gartan prest. John I. Migent, seev. 1 F. 460 arty, treas. P. Foley, mgr., Care 8th, 84,000,000, Gaston Roge., 501. 1 mm, sportfors, tree, steam, fostamic. Fatnek Foley, supl. Granufeville Ry. Neva. 28 miles Nevada City, 490,
- John Hippert Liberty, Pope and Hot Water, g dd Tunnet and shaft, footons, force water, arrastness
  - Ozalli Bros Chattanooga, gold, 20 (fons) free hand [mi.,]
- T. Staples Gaston Ridge, gold, Januel and shaft tree, w. ' v. rid steam to stappe

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Ore. Kind of Mine, annual Output in Tobs of 2,000 Pounds, Kind of Power Used, Stady Mills, Etc., and Name of Mine Superintendent.
TOWN	COUNTY	
Grass Valley Ry. 490.	Nevada	Allison Ranch Ford, Martin Ford, prest, and mgr.; J. E. Carr, seey. Cap. 8tk, \$2,500,000. Allison, gold Shaft; free. Martin Ford, supt.
		Baltic Consolidated Mining Co. E. Mateson, prest.; D. D. Bowman, seey.; Citizens' Bank, treas.; Joseph Snyder, mgr. Cap. 8tk. \$600,000. Baltic, gold. Tunnel; free; water; mill. Joseph Snyder, supt.
**	.,	Boston Mining Co. Bennett Dunstan, prest.; M. McDonough, seey, and treas.; Thomas Opic, mgr. Cap stk. \$50,000. Granite Hill, gold. Shaft and slope; free; water. Thomas Opic, supl.
	"	California Mining Co. Charles E. Uren, prest.; J. W. Thomas, secy.; Citizens' Bank, treas. Cap. stk. \$100, 000. California, gold and silver. Shaft, 700 tons; free; steam; 5 stamps, mill. James Glugas, supt.
**	3.8	William Campbell. Norambaqua, gold. Shaft; free; steam and water.
	**	Centennial Quartz Mining Co., Samuel Granger, prest.; Jacob Weissbein, sery.; Weissbein Bros. & Co., trens.; A. W. Stoddart, mgr., Cap. 8tk. \$300,000. Centennial, gold. Shaft; free; steam, A. W. Stoddart, supt.
**		Central North Star Mining Co., J. R. K. Nuttail, prest.; Jacob Weissbein, seey.; Weissbein Bros, & Co. treas. Cap. stk. \$1,000,000. Central North Star, gold. Shatt, stemn. James Bennallack, supt.
		John C. & Edward Coleman & Geo. D. McLean. Lucky Quartz, gold. Slope: free.
**	**	Crown Point Consolidated Mining Co. A. Ganthier, prest, treas, and mgr.; J. J. Rodgers, seey. Crown Point, gold. Shaft, 10,000 tons; free; water; 10 stamps. A. Ganthier, supt.
14	**	Daisy Hill Mining Co. Daisy Hill, gold. Shaft; free; steam and water. Frank Morse, supt.
**	**	Gold Bar Quartz Muning Co. W. F. Corwin, prest.; W. H. Weldon, secy. and mgr.; Wm. George, treas Cap. stk. \$1,000,000. Gold Bar Quartz, gold. Shaft; free: steam and water. W. H. Weldon, supt.
	**	Gold Point Consolidated Gold & Silver Mining Co. S. Granger, prest.; A. B. Brady, seey.; Watt & Co-treas., James Bennallack, ngr. Cap. stk. 850,000. Gold Point, gold. Shatt and tunnel, free; water Jas. Bennallack, silv.
**	**	Golden Treasure Mining Co. Mrs. F. Sauvee, treas.; Frank Dulmaine, mgr. Golden Treasure, gold Steam. Frank Dulmaine, supt.
**	**	Green Mountain Gold Mining Co., Win, George, prest.; Elain Biggs, seey, and treas. Cap. stk. \$300,000 Green Mountain, gold. Shaft, free, steam.
	**	Hartery Consolidated Mining Co. Geo. W. Whiteside, prest; J. McThomas, seey.; Citizens' Bank, treas, Geo. Mamhart, mgr. Cap. stk. \$1,000,000. Hartery, gold. Free, steam. Geo. Mainhart, supt.
	**	-blaho Quartz Mining Co Edward Coleman, prest, and mgr., Geo. W. Hill, seey.; John C. Coleman, treas- Cap. stb. 83(,000 blaho Quartz, gold Slope, 16,000 tons, tree; water; 40 stamps Edward Coleman stpl.
		- Irish-American Mining Co Martin Ford, prest, and mgr., John Mulroy, seey Cap. 81k, \$2,500,000 Irish - American, gold Shart, 50 tons, free, horse, mill Martin Ford, supt.
	**	J. M. Lakeman. Spring Hill and Extension, gold. Slope, free; steam,
**	**	McGurre & Baggs Placer Mine Co. Gold. Placer; free.
**	**	Maryland Gold Mining Quartz Co. (8, P. Dorsey, prest, and mgr., L. V. Dorsey, seey, and treas. Cap stk. \$10,000,000. Maryland, gold. (8halt and fininel; free, water. (8, P. Dorsey, supt.
	**	Mento Mining Co. J. M. Lakeman, prest, and mgr., Peter Johnson, seey.; H. Silvester, treas. Caj stk. 85,000. Honeward Bound, Illinois and Wisconsin, gold. Slope, 900 tons, free, steam; stamps J. M. Lakeman, supt.
	**	New Eureka Consolidated Gold Mining Co., San Francisco, Cal., 32 Montgomery st. John Skinker prest.; A. Walrath, treas, and mgr. Cap. 84k, \$1,000,000. Eureka, gold. Shaft, steam. A. Walrath supt.
	**	North Star Mining Co., San Francisco, Cal., 40t California St. James D. Hagne, prest., D. A. Jemnings seey.: Bank of California, treas Emile R. Abadle, mgr. Cap. 8tk, 81,000,000. North star, gold Slope, 15,000 time, Free, water, 4 o stamps. Finite R. Abadle, supt.
	**	Omaha Consolidated Gold Mining Co., San Francisco, Cal., Phelan Bildg. E. W. Hopkins, prest., C. A. Grow, seev. and frens; L. Gilson, ingr. Cap. stk., 82,400,000. Omaha, gold. Slope, 9,000 fons, free water, 28 stamps. George Mainhart, supt.
	**	Original Empire Mining & Milling Co., San Francisco, Cal., 401 California st., Jas. D. Hague, prest., D. A. Jennings, Seey., Bank of California, treas., Geo. W. Starr, ngg., Cap., stk. \$1,000,000, Empire gold. Slope, 18,000 to forst free, water, 40 stamps. Geo. W. Starr, sup.
		Osborn Hill Minning Co., William Campbell, prest, and treas., George Campbell, seey. Osborne Hill gold, Shatt, Hee; steam.
		Seven-Thirty Mining Co., James Melachlan, prest., J. M. Thomas, seey., Citizens' Bank, treas., Cap. stl., \$50,000. Seven-Thirty, gold. Shaft, 300 tons; free; steam., J. McLachlan, supt.
		State Ledge Mining Co., State Ledge, gold. Tunnel, 24,000 fons. Tree: water: 10 stamps. A. I., Perrii supt.
	**	Telegraph Mining Co., James Zawaskie, prest.; John F. Sullivan, seey.; T. J. Hurley, treas., M. O'Coinell, mgr. Cap. stk. \$65,000 Telegraph, gold. Shatt, 6,000 tons. Tree, steam, 5 stamps. Jas. Zawaskie, supl.
		H. Uphoff. Washington, gold. Slope, 2,500 fons, free, steam and water.
	**	-Vulcan Mining Co., Martin Ford, prest, and mgr., M. McDonough, seey. Cap. 8tk, 82,500,000. Vulcar gold. Shart, at fons, free, horse. Martin Ford, supt.
		Western Star Gold & Silver Mining Co., San Francisco, Cal., Site Deposit Bildg., Room S., Jino S. Or prest. Jino A. Reed, very , Gastar Kartschoke, treas., F. Zettler, mar., Cap. sik. \$1,000,000. Wester Star, gold and street. Shatts and tunnels, Tree: Schar mad water. F. Leuther, sip.
		What and a 11 Manual and 1 few most the auditor and E. Matana tree. White and only

White Oak Gold Mining Co., J. J. Orr, prest., Juo, Cadden, seey., F. Met ann, treas. White Oak, gold. Solutional formed, tree; steam, J. J. Orr, supt. Williams Ries. Deer Greek, gold. I named and shift, free, hand. Richard Williams, supt.

GOLD AND SILVER (CONTINUED).			
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OUR KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 200 FOUNDS, KIND		
Town AND COUNTY	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUFERINTENDENT.		
Grass Valley Nevada (Continued.)	Work Your Own Diggins Mining Co. J. R. K. Nuttal, prest., Jacob Weissbein, seey. Weissbein Bros., trens., C.A. Brockington, mgr. Cap. 8tk, Sogoo. Work Your Own Diggins, gold. Shaft and incline, 4,000 flors, Irec., 8tani, 10 (stamps. C. V. Brockington, spin.).		
	Wyoning Consolidated Mine, B. F. Runnels, prest., W. L. Parsons, seey,; citizens' Bank, treas. Cap. stk, \$500,000. Wyoning, gold. Slope, tree, steam. B. F. Runnels, supt.		
Gray Eagle Bar, El Dorado (P. O. Machigan Bluft) Ry, Forest Hill 692.	Thomas Met all. (Cap. 89,000). Met all, gold. Tunnel, free, hand. John Page, supt.		
Green Valley El Dorado Ry, Shingle Springs 692.	Pyramid Mining & Milling to a San Francisco, Cal. (73 Radrond av. Chas. Milly, prest., Goo W. Harvey, seey., J. W. Hodgkin, Iracs. W. H. Harvey, nigr. Cap. 8tk 84,000,000. Pyramid, gold. Shatt, retractory, water and steam. 5-stamps. Will H. Harvey, supt.		
Greenville Plumas Ry, Reno 49t.	Blind Lead Mining Co. D. McIntyre, mgr. Blind Lead, gold. Tunnel, tree.		
	Metall & Standart, Gold. Tunnel and shaft, 3,300 tons, tree, water, 20 stamps, [G. Standart, supt		
Ry, Auburn 692.	Jacob Baessler, Aankee Bar, gold, Placer, water,		
	A. Belkieorfa. Berainee, gold. Open pit, hand.		
	Martin Ricibtrew - Invisible, gold, Tunnel, placer, water,		
	Win, Bordt, Flora, gold, Tunnel, 10 tons, tree, hand,		
	Samuel Karser, Ohio, gold. Shatt free, hand.		
	L. E. P. Lachance. Oakland, void. Statts, funnels and pits, free, hand. OSDORI Cold Mill & Mining Co., San Prancisco, Cat., as Pine St. W. F. Landy, prest., W. J. Garnett serv., Wells, Pageo & Co., English, Preis. Cap. Std., 850,200. Trainiph. Everysor., Donozo, 201d. Tannel and Shatt, water. Trank W. Page, Supt., and Ingr.		
	Revenge Will & Mining Co., Philadelphia, Pa., 220 S, Foorth st., Revenge, 2003. A united and open pit free, water, 7 stamps.		
Grizzly Flats - El Dorado Rv. Placerville 60.	McArce, Missamore & Poor - Mount Pleasant, gold - Tunnel, 500 fors. Tree, steam, 40 stamps,		
	Middle Creek Gravel Mining Co., Sacramento, Cal. 227 I st., C. T. Robb, prest., B. F. Parsons, seev, and treas., S. A. Laine, nurr. Cap. 8th, 875,000. Middle Creek, 2051. Tennel tree stemm, S. A. Laine supt.		
	F. R. Morrey, Cap. 85000. Morrey and Sunday, gold. Shart and trained, 200 tons, free, water Astamps. Mount Pleasant Minum, Co. New York City, 18 Wall St., James D. Hagne, prest. Mount Pleasant, gold, and sider. Shart, free storm feedbarnes.		
Groveland Tuolumne Ry.Oak Dale 622 45 In			
	A. B. Canakshank. Cap. 86,000. Mary Affen and Lie Mascotte. 20 d and (part). A finitely, 5 000 fons. Here, steam, 19 stamps.		
	James Brothers (Cap. 82,000). Two Brothers, gold (81 atts and finingles, 50 tons) troy hand [58 strongs] J. P. James, 8 upl.		
	Mount Zion Mining Co., Cap. 82,800 - Mount Zion, gold - Shaft (free steam,		
	$ \label{eq:kinder}  \textbf{Rinde Island Mining Co. 1 C. Read, prest., Warslow II decator, so (v Rande Island), gold - SLatt and tunnel.  \textbf{Iter-and retractory, hand} $		
Happy Camp. — Siskiyon	Winslow Hubbard, Aften Winton and Tagge Plant, 2001. Sharts and femiles, tree and retractory hand. A. Clausen. Bald Homet, 2014. Phoen, water.		
Ry.Montagne 622 60 m			
	Del Norte Minnig Co., San Francisco, Cal. 728 Montgomery St., Henry Pacco, Test. Wh. II. Aberd serv, and Irons., 8/8 Richardson, ingr., Cap. 8tk. 850(200). Do. North. 2000. Proof. Rev. Pacco, 1997.		
Ti	Diffor Hill Mining Co., Cap. 88,000   Diffor Hill, Lohd   Placer Invitation   M. Marin, Supt.		
Ti	C. Gordon, Cap. 85,000 Pennsylvama, 2051 Placer, Evdicato		
	David Huey. Prospect Hill, sold. Placer, hydraulic.		
Hart Shasta Ry Gold Marc Spin (92,	free and tetractory steam 20 stan ps		
Ry, Callente (92,	John Hayes, Cap, 84,000. Order and Canty, gold. Tunnel and sharts, 200 tons, tree, steam [783] neps.		
Tey, America 32, 190 m	Brush Hall Co. Frank Vangleste, mgr. Cap. 8 1000 - Brush Hall, gold - Shatt, 500 tons (from the stamps).		
	Harbert & Lewis, Adm. Cal. W. L. Harbert, prest, and m.r., (dames C. Lewis, see v., increase, G. v.) is silver. Shaff, abitous, free horse and water, "estamps, (W. L. Harbert, sept.).		
	Hayden Hill Consolidated Mining, Co. Biology, Cal. C.S. Met ox, prest [N. Recoeffsson and trees [D. McLane, mgr., Cap. 84, 84,00,000]. Biology and Modos Chieffgold and Salvet [Testimps, D. Wellane, supr.]		
	C. A. McBride, Cap 8500, R. Pay, gold. Placet, 100 tons, free, water 5 starries		
Hymory Siskayon Ry Hornbronk 692.	H. C. Babeock, Gold, gravel. Tunnel, placer.		
	Blue Gravel Maning Co. A. McLarland, prest, J. O. Jillson, seev and freas. C. B. J. soci. 9, 21 (c. stk. 850,000). Blue Grave', 265. Placet. C. B. J. Ison, sapt.		
	Brass W by Manug Co., Cap sale, Segroot. Trass W progodd. Placed layer ( w. A. H. etc.) (		

# GOLD AND SHAVER (CONTINUED).

LOCATION OF RAILWAYS, WATE AND SHIPPING	POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OPPICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF UNE, KIND OF MINE, ANNUAL OUTFUT IN TORSOF 2009 FORMS, KIND OF FORM USED, STRAM MILLS, ETC., AND NAME OF MINE SUPERISTINGENT.
Town and	COLZIA	
Henley (Continue	Siskiyou (d.)	
		Niles Mining Co., A. W. Niles, prest.; L. Wright, seey.; Geo. Lee, freas.; E. A. Niles, mgr. Cap. stk. \$500. Rocky Gulch Bonanza, gold. Placer.
	. "	Roberts & Thomas. Bumble Bee, gold. Shaft and tunnel, 22 fons; free. W. B. Thomas, supt.
Hildreth	Fresno	Thomas & Roberts: Fairy Queen, gold. Tunnel, 60 tons: free, W. B. Thomas, supt. P. Bazinet. Eliza Jane, gold. Slope and tunnels, 12 tons; free, horse, arrastre.
Ry. Fresno C	ify 692.	Joseph Markle, Gold, Slope; free; horse, arrastre,
.f	**	Mrs. R.C. Williams, Cap. stk. \$5,000. Last Chance, Hughs, Turkey's Nest, gold. Tunnel, placer, 40 tons, tree, horse, arrastre.
fornbrook Ry, 692,	Siskiyou	J. C. Brown, Andlan Girl, gold. Open pit, 50 tons; free; water
		J. J. Fowler, Edison, gold. Free; water, arrastre.
lunt's Hill (P. O. You Nevada Cil	Nevada Bet FRy. ty 400.	A. G. Turner. Cap. \$20,000. Eastern and Main, gold. Placer and drift, hydraulic.
ndio	san Diego C (14 m.).	Consolidated Dos Palms Minnig Co., Kansas City, Mo., 400–405 Heist Bidg. Peter W. Kline, prest.; Robert A. Heim, sery., Nelson F. Accis, Deas., C. E. Bloomer, ingr. Cap, 8tk, \$2,000,000. Dos Palms, gold. Timnels, 1rec.
luskip Rv. Oroville	Butte 692.	Christnot & Co. Cap. \$6,000. Owel, gold - Tunnel and shatt, 2 tons, free; hand,
		Davis & Cory. West Branch, gold. Placet, water.
	••	Manuel Enos. Cap. \$1,500. Ogden Revere, gold. Placer; water.
		Golden Summit Blue Gravel Mining Co., Golden Summit, Cal. Golden Summit, gold. Deep placer, fun- nel, hand.
		Thomas Henderson. Cap. 82,000. Golden Thread, gold. Tunnel, 25 tons, tree, water.
		Paustmo Machado, Cap. 8500. Machado, gold Placer.
nekson. Ry. Ione 692	Amador (124).	Vibany Gold Mining Co., San Francisco, Cal., 339 Pine st., Room 5. John Henderson, prest.; F. E., Lutz, seey., H. R. Lomisberty, treas, and mgr. Cap. 8tk. \$1,000,000. Albany, gold. Beep shafts and tunnel; obeydoping; (rice, steam.
**		W. N. Bar Due, San Francisco, Cal., cor. Mission and Twenty-first sts. Gold. Tunnels, shafts and drufts; tree and retractory. water, 20 stamps and concentrator.
1		Wm Dovie, Doyle, gold. Shaft and funnel, 200 tons; tree; water
		Kennedy Minnig & Milnig Co., San Francisco, Cal., 304 Montgomery St., John Barton, prest., L. F. Reichling seey, and 4reas., J. F., Parks, mgr., Kennedy, gold. Shaft and slope, 37,000 tons: 4rec, water and steam, 40 stamps. J. F. Parks, supt.
		Zeila Mining Co., San Francisco, Cal., 157. Montgomerryet. Frederick O. Heydenfeldt, prest.; Thomas O. Heydenfeldt, seey. Crocker Woodworth National Bank, treas., Zeila, gold. Shafts, 48,000 fons, free: steam and water, 40 stamps and concentrator. W. F. Beterf, shipt.
lack onville Rv.Oakdales	Tuodumme	
	Tuebuune	$\label{eq:condition} \operatorname{App \& Co.}  \operatorname{Gold.}  \operatorname{Shaft.} \text{ free, water and steam, 25 stamps.}$
		Dutch Mining Co. Dutch, gold. Shatts, motons, free, horse, 5-stamps. R. Fitzgerald, supt.
		G. A. Leland, Cap. \$20,000. Nigger Hill, gold. Hand, Martha Washington Placer Mining Co., Ookland Cal., 1212 Webster st. Ars. S. Gertride. Smyth, prest.;
		Mrs. P. T. Burrell, seey, and treas. Cap. stk. \$500,000. Peoria, gold. Placer, free, water and elec- ticity.
		Rawlide Maning Co., San Francisco, Cal. W. A. Nevills, prest, and mgr., A. Judson, seey., John Ballard, trens. Rawlide, gold. Shaft, retractory, steam and water, 40 stamps. W. A. Nevills, supt.
		Indumne Gold Miring Co., San Francisco, Cal. O. H. Bogart, prest., I. Vollmer, seey., I. Kallmes, Ireas, and ingr. Cap sik, \$2,000,000. Table Mountain, gold. Shafts, drifts and funnels, steam (developing). I. Kallmes, supt.
ohnsville. Rv. Chat 190	Phanas	Franklin Consolidated Gold Minning Co., D. McFarlaine, prest, and (seey., W. Sperry, treas., T. L. Jones, mgi — Cap. 8tk, \$13,000. Franklin, gold. Tunnel. T. L. Jones, 8upl.
		Januson Muning Co. John Nevill, prest., Sam W. Cheyney, seey, and ingr., Bank of California, freas, Cap. 8tk, \$6,900,000. Januson, gold. Shaft and funnel, free, water. Sam W. Cheyney, supt.
hiliani Ry. Lakesidi	Sin Diego 1 Wil	Hagle Mining Co - Eagle, gold. Shaff and funnel, 500 tons. 4ree, null. A. N. Frary, supt.
		Fila Mining Co. Ella, gold, Tannel, tree, horse [8, 8, 8, Wileox, supt.
		Owens Consolidated Mining Co., San Diego, Cal. H. A. Williams, prest, and freas., John M. Harney, sery—Cap. 8tk \$200,000. Owens, gold. Shaft, free, steam, 40 stamps.
veelet Rv. 108.	Inyo	dames Jenkius. Harrison, silver. Tunnel and shatt, 10 tons, retractory.
Kennett Rv. 692	 Shasta	Robert Lockett. Tandmartk, gold, silver and lead. Shatt and fininel, 39 tons, retractory, hand.  Anglo California Gold Mining & Milling Co., Chicago, Ill., 29 Clark St. J. F. Lee, prest., W. J. McMullen, seev., E. H. Whited, treas, C. M. Johson, mgr. Cap. Sik. Shandoo. Anglo Californian, gold. Shatts and fininels tree and retractory, water, 29 stanges. Charles Ferguson, supt.
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GOLD AND SILVER (CONTINUED)			
LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT,	Name of Comfant or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Obe, Kind of Minf, annual output in Tons of 200 Pounds, Kind of Power Used, Stame Mills, Etc., and Name of Mine Sufferintended.		
TOWN AND COUNTY.			
Kernville Kern Ry, Callente 602.	Bob Lee Mining Co. Robert Robinson, prest., J. W. Robinson, seey., Win, Wicker, treas., James King, augr. Cap. 8tk, \$100,000. Bob Lee, gold. Shatt, 1,000 tons: tree: water, 40 stamps. Luther Burton, supt.		
Keyesville . Kern (P. O. Kernville) Ry. Callente 692.	J. W. Summer. Cap. 85000. Manmoth and Tom Lane, gold. Tunnels and shafts, 200 tons, tree, water, 5 stamps.		
	Frank Gross, Cap. 85,000. Defiance, gold. Tunnel, 100 (ons. free, horse, arrastre.		
Lewiston Trimity Ry, Redding 622.	8. M. Jensen. Mulnight Star, gold. Tunnel and shatt, free developing a. Edward Lloyd. Cap. 800,000. Confident, gold. Slopes and tunnels, 200 tons, free, water, 5 stamps. Lewisten Hill Placer Mine, gold. Placer, hydrauhe. Jas. W. Phillips, supt.		
Long Canon Placer (P. O. Michigan Bluff) Ry, Auburn 692.	Shedd & Scott. Ferry Gulch, gold. Placer, W. B. Marshall. B. F., gold. Deep placer, tunnel, hand.		
	Kingsbaker, Edelman & Connoley, Los Angeles, Cal., 29 N. Los Angeles St. San Danas, porphyry. Pit. hand and horse. John M. Connoley, supt.		
	Joseph Glines, Willard, gold. Placer, hydraulic		
	Magalia Consolidated Mining Co., Orovdle, Cal. D. P. North, seey. Magalia, gold. Drutt. (rec., water. S. P. Moody, supt.		
Ry, Metced 692.	O. W. Ward. Whitlock, gold. Shatt and fained, tree, steam.		
Ry, Nevada City 490.	<ol> <li>O Sawfelle, F. W. Sawfelle &amp; I. H. Greeley. Cap. 84,000. Black Bull, gold. Placet, tunnel, free, florse.</li> </ol>		
Michigan Bar, Sacramento Ry, Carbondale 692.	Annador & Sacramento Canal Co., Mrs. Jennie, B. Ritter, prest, and frons., Henry S. Byam, seey, and mgr., Cap. 8tk, 8200,000. Bill Top, gold. Placer, hydraulic. Henry S. Byam, supt.		
Michigan Bluff - Placer	James Gordon, Cap 80,000, Gordon, gold, Placer, hydraulic Dam Mining Co., San Francisco, Cal., cor, Eroadway and Battery sts. Dam, gold - Free, grayel horse		
Ry, Collax 1992.	and hand. Adolph Weske, supt. Hurd & Bickford. Fox I lat, gold. Placer, hydraulic.		
Middle Bar — Amador P. O_ and Ry. Jackson 692 (12 miles).	8, II Howland, (tasco, gold, Slope, 10,000 form), tree (water to stamps)		
	Calminet Gold Mining Co. W. H. Garlick, prest, and freas: A. E. Paul jr., secv. Almarin B. Paul, m., cap. 448, 81,000,000, Calminet and Foor Main, gold. Tunnel, shatt and strift, retractory, water, 24 stamps, Almarin B. Paul, signt		
	Crossbow Gold Mining Co., San Francisco, Cal., Room of Nevada Block. Julius Koelog, prest. Henry D. Walker, seev., Earth of California, treas. Arneld Becker, ing. Cap. 8th, 820,000. Crossbow and 8xObbie, 2016. Shaft and Dimiel Tree., M. Waryanski, supt.		
MokeliumeHdl.Calavetas Ry, Valley Springs 692,	Horsevill & Bishop, San Francisco, Cal. Calayeras, blue lead, Whatcheer, 201d. Placer, free, water and steam, 58tamps. F. J. Hotsevill, supt.		
	MeSorley (X,Vo), (Green Mountain, gold, (Tunnel, 20,000 tons), (tree, water, s.stamps, (T.1), MeSorley, suptraction (tree),		
	S. S. Muser. Excelsion consolidated, gold. Placer, tree, water.  Outline City Cold Manuscript, See Francisco et al., 15, Malainet, E. P. Penderson, C. Condensor, C.		
	Quaker City Gold Maning Co., San Fransersco, Cal., 418 Market st. E. B. Rambo, prest. Quaker City. gold. Shatt, tree steam and water, mill. H. J. McSorbey, sapt.		
	Sandy Bar Mining Co., San Franscisco, Cal., Tivoli Opera House. Win Kreeling, prest, Cap. 8th, 81,000,000. Sandy Bar, 20dd. Free, water, to stamps. U-II Davison, supt.		
	Thomas Sullivan, Gold, Placet, tunnel, tree [water,		
Mono Lake . Mono Ry.Hawthorne, Nev 108.	Hammond Bros. Charles A. Dyet, ingr. cap. 86,000. Charleston Consolidated gold, Tunnel, proc. water, 5 stamps. J. P. Hammond, supt.		
Mtn. Ranch talayeras Ry. Valley Springs 692.	Shenambah Mining & Development co., Oakhand, c.d., [58] I wellth St., Win, F., Rlood, prest., c.has, E., Gillett, seey and freus. William Crab, ingr., Cap. stb, 81,000,000. Hoosier, Way and Wary Lewry, gold and silver. Shafts and unmels, tree water, to stamps. Win, c.rab, sup.		
Nevada City Nevada Ry. 490.	Beekhan Hill Gravel Mining Co. N. Weber, prest. F. W. Boss, seev. B. H. Miller, freas. August Rapp. ngt. Cap. sik. 85000. Beekhan Hill, gold. Tunnel and shaft, developing v. August Rapp, supl.		
	Champion Mining Co., San Francisco, Cal., 320 Sansome st., Room 16. F., Zeitler, prest., Theo Welzel, seey., Jos. Schuster, Iroas. Cap. stk., 850,000. Champion, geld and silver. Shath, 60,000 fors, free water Fystamps. L. P. Goldstene, sppl.		
	Craig Bros., San Francisco, et al., 36 Montgomery st., Cap. 8150,000. Kinckerboeker Consolidated, gold- Funnel, placer, 9000 fors: tree, hydraulic - Walter R. Craig, sopt.		
	Federal Loan Gold Mining Co., John Vincent, prest, and migratures. Chas. J. Brand jr., seey. A Wulke, Breast Cap. 8th Southoon, Federal Loan, gold and silver, retractory, water, by Samps. John Vincent, spift.		
	Fountam Head Gravel Mining't o. Q. J. Rolfe, prest., f. Miller, seey., Catizens' Bank, treas. Cap. 8th 8th000000 Tountam Head, gold. Shatt water, hydraulic		
	Gold Hill Mining Co., New York City, 60 Broadway Al. J., Showeratt, prest C. Littlefield, seev and to as. B. A. Showeratt, mar., Cap. Sik. 880,000. Nevada City, gold. Shafts, 1500 tons, tree water 20 stamps. B. N. Showeratt, supt		

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company of Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Ore, Kind of Mine, Annual Output in Tons of 2,00 Pounds, Kind of Power User, Stramp Mills, Etc., and Name of Mine Superintendent.
TOWN AND COUNTY	
Nevada City — Nevada (Continued.)	Manzanita Consolidated Gravel Mining Co., George C. Shaw, prest.; Robt, J. Shinmons, seey.; E. M., Preston, treas.; Robt, Simmons, jingr., Manzanita Consolidated, gold., Placer; water (developing), Robt, Shinmons, supr.
	Mayflower Mining Co. W. H. Martin, prest, and mgr.; John Waters, seey.; Robt. Martin, treas. Cap. stk. \$10,000. Mayflower, gold. Tunnel and shaft, 2,000 tons; free; water; 4 stamps. W. H. Martin, supt.
	Mountaineer Mill & Mining Co., San Jose, Cal. J. A. Hornberger, prest.; A. E. Moody, seey, and treas.; W. A. Dennis, nagr. Cap. \$10,000,000. Mountaineer, gold. Stope and tunnel, 10,000 tons; free; water; 20 stangles. W. A. Dennis, supt.
	Odin Gold & Silver Mining Co. Chas. Klingensdor, prest.; R. Casper, secy.; J. J. Ott, treas.; Carl Hesse, mgr. Cap. stk. \$1,500,000. Nebraska and Wait for the Wagon, gold. Placer; hydrauhe. Geo, Nihell, supt.
	Providence Mining Co., San Francisco, Cal., N.W. cor, Fourth and Bryant sts. Peter Tautphans, prest.; W. H. Widman, seey.; Bank of California, treas, Carl Davis, mgr. Cap. stk., \$1,000,000. Providence, gold. Shafts and tumel, 26,000 tons; free; Water; 49 stamps. Carl Davis, supt.
	Stiles Gold Mine, San Francisco, Cal., 310 Pine st. James Morgan, prest.; John A. Robinson, seey.; Bank of California, treas.; Win. B. Mesherry, mgr. Cap. stk. 81,000,000. 8ftles, gold. Shaft; free; steam, Win. B. Mesherry, supt.
**	West Harmony Gravel Mining Co., 61 Broad st., R. C. Walrath, prest, and mgr.; A. Isoard, seey.; W. W. Stov, treas. West Harmony, gold. Shaft, 60,000 tons; free; water. R. C. Walrath, supt.
Newcastle Placer Ry, 692.	W. J. Lawrence, Cap, \$45,000. Lawrence and Jenny Lind, gold. Shaft, 7,000 tons; free; water; mills,
	E. L. G. Steele & Co., San Francisco, Cal., 208 California St. Live Oak, gold. Slope; free; horse. Robt. Jones, supt.
Newhall . Los Angeles Ry, Sanger, 692.	Mary Frederick Mine, C. D. Rust, mgr. Gold. Tunnel and slope; free; hand, steam and water,
	Eagle Gold Mining Co. Saul Rugh, prest., T. C. Whitely, seey.; Bank of California, treas.; G. C. Higgins, mgr. Cap. 8th, 860,000. Eagle, gold. Tunnel; placer; hydraulic. G. C. Higgins, supt.
North Bloomfield Nevada lty, Nevada City 490 (14 miles).	
	North Bloomfield Gold Mining Co., San Francisco, Cal., 320 Sansome st. H. Pichoir, prest.; Bank of Cali- forma, treas. Cap. stk, \$3,000,000. North Bloomfield, gold. Hydraulic. J. G. Mather, supt.
North Columbia , Nevada Ry, Colfax 692,	Delhi Muning Co., San Francisco, Cal., 320 Sansonne st., Room 26, R. McMurray, prest., C. F. Hunt, seey.; London, Paris and American Bank, treas. C. H. Madlen, mgr. Cap. stk, \$10,000,000. Delhi, gold and silver. Tunnel, 10,000 tons; free; water; 18 Sannys. C. H. Madlen, spit.
**	Enterprise Gold Mining Co., North Columbia, Cal. Major J. S. McBride, prest.; C. S. Paine, seey., R. McMarray, treas.; C. H. Mallen, mgr. Cap. 8tk. \$10,000,000. Enterprise, gold and silver. Shaft and tunnel, free Janal. C. H. Mallen, supt.
Novelty "Siskiyon Ry, Gazelle 692 (75 m.).	Gold Run Mining Co. Cap. \$20,000. Gold Run, gold and silver. Tunnel, 2,000 tons; tree; water; 4 stamps, A. Dannenbrink, supt.
	Know Nothing Quartz Maning Co. Know Nothing, gold. Tunnel, 1,000 tons; free; water, 4 stamps, Louis Beyans, supl.
Oak Bar Siskiyon Ry, Yreka 692.	Jensen & Co., gold. Placer; water. C. Jensen, supt.
	C. H. Peck & Co. Peck's Bad Boy, gold. Free; water, arrastre. C. H. Peck, supt.
Ogifby Ry, 692.	P. B. Mathiason/St./Louis, Mo., 5310 N. Second st. Capital \$20,000. Mother Loade, gold. Shaft and tunnels, free.
	Pasadena Gold Mining Co., Pasadena, Cal. W. T. Grimes, prest., P. B. Mathiason, seey., Win, Borthwick, mgr. Cap. 8tk, \$200,000. Rosa Lowman, gold. Tunnel: free, hand; 20 stamps. Win, Borthwick, snot.
	Paymaster Mining Co., Boston, Mass. Chas, P. Heinenway, prest., John Dodd, seey.; T. Quiney Browne, treas. H. W. Bladshelf, ngr. Cargo, Muchacho, gold. Shaff, 18,000 fons, free: steam; 20 stamps, Huram W. Bladshelf, supt.
Onto Ranch El Dorado Ry, Latrobe 692 (30 miles).	
	Joseph E, Bell, Shasta, Cal. Summit, gold. Tunnels, 250 tons, refractory. J. Scranton, supt.
	Davis & King, Sanny Hill, Cal. J. P. W. Davis, mgr. King, gold. Tunnel, 306 tons; refractory; water, arrastre, mill. J. P. W. Davis, supt.
0.00	N. Gardmer, Red Hill, gold. Placer; hydraulic.
	Sharp Mining Co., San Francisco, Cal., 426 Townsend St. E. R. Hall, prest., Louis Sharp, seey, and treas., L. V. Loomis, mgr. Cap., xtX, 820,000, Grey Eagle, gold. Tunnels, L500 tons; free and refractory, water, 5 camps, mill. L. V. Loomis, supt.
Ophn . Placer Ry, New Castle 692,	Win, Geach, Anburn, Cal. Cap. \$20,000. Central and Humbug, gold. Shaft, tree; horse,
	John Holbrook & Son, New Castle, Cal. Cap. \$50,000. June Bug and Lena Rivers, gold. Shaft, t.000 tons; refractory, water, 5-stamps. N. T. Holbrook, supt.
	Hubbard & Reed, Arburn, Cal. Gold Blossom, gold. Shaft, 4,000 tons; refractory; water, 40 stamps. E. L. Hubbard, supt.
	N. Maring & Son. Bullion, gold. Shaft; free and refractory, steam. W. R. Monahan. Monumental, gold and silver. Shaft, free, horse (developing).

## GOLD AND SHATER -(CONTINUED)

	GOLD AND SILVER -(CONTINUED)
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT,	Name of Company or Individual, Location of Principal Office, Name of Officers, Capital Stock Name of Mine, Kind of Ore, Kind of Mine, Annual Output in Lons of 2000 Founds, Kind of Power Used, Stamp Mills, Fig. and Name of Mine Superintenders.
Town And County	
Ophir, (Continued.)	Ophir Gold & Silver Mining to . W. Stock, prest, J. W. Mackey, seey, C. C. Handy, treas., L. Ferguson ingrand supp. Cap. sik. 850,000. Ophir. gold and silver. Shaft Licotons, tree, water, to stamps. Chas. A. Reed. St. Lawrence, gold. Tunnel and shafts, free and retractory, hand until under construction.
	tion .
	Schnabal & Co., New Castle, Cal. Boulder, gold and silver. Shatt and drift; tree and retractory, water, Otto T. Walter. Morning Star, gold. Shatt, tree and retractory, water and hand,
Orleans Bar Humboldt Ry, Arcata 692.	James S. Wunn. Brush Fence, gold. Tunnel, 1,50 fons; tree. Allen & Lord. Cap. 81,000. Red Cap and French Bar, gold. Placer, hydraulic. A. H. Allen, supt.
	A. Markusen, Cap. 84,000, Croton Bat. gold, Placer, hydraulic,
	Orleans Bar Mining Co., London, Eng., 110 Cannon St., E. C., G., A., Batchelor, prest., P. L., Vonng, seey., treas, and mgr., Wilder, gold., Placer, hydraulic, Ugiant., P. L., Vonng, supt.
Oro Grande S, Bernardino P, O, Halleck) Ry, 26.	Aoseph Griskell. Side Winder and Key Hole, gold and silver. Shatts and drifts, refractory to stamps mill,
	Pacific Gold & Silver Extraction Co., Los Angeles, Cal.—W. M. Morrison, prest., E. L. Doheney, seey., J. E. Bentleheler, Itens, and higt. Cap. std. Soloco. O. G. and O. K., gold and silver — Shait, 4500 tons, tree and retractory, steam, best-amps. J. E. Rentscheler, supt.
Patterson Mng, fust, Mono (P. O. Sweetwater, Nev. Ry, Hawthorne, Nev., 108.	Great Western Consolidated Mining Co., Sun Francisco, Cal. Win, Irwin, prest., Martin Jones, seey., H. C. Callahati, freas., Cap. sik, Stonegow. Great Western, silver. Fainnel, free developing.
	Rattler Mining Co., Sweetwater, Nev. Cap 8tk 800,000, Rattler, gold and 8fver. Duits (developing) V. S. Kilpatrick, 8apt.
	Durgin Mining Co., San Francesco, Cal., 368 (altroma 8) D. V. Hiller, prest., Walter N. Kempton, seev., Grangers, Bank, treas., L. J., Lewis, mar. Cap. 8tk, 81,00,000. Durgin, gold. Tunnel, placer, 70,000 tons, free, water. L. J., Lewis, supt.
Perris San Diego Ry, 26. (centiles).	Adyor Mining Co., Last St. Louis, Ill. F. J. Krouse, prest, and ingr. Fillott B. Page, seev, and freas, Cap. 8tk, 800,000. Adyor and Kosmoc, gold. Funnel, tree.
	$Mortimer\ Curren,\ Los\ Augeles,\ Cal, Colotado,\ {\sharp old}, Slope developing\circ,\ tree, Frank\ A.\ Garbutt,\ suptimer\ Curren,\ Los\ Augeles,\ Cal, Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Suptimer\ Curren,\ Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Suptimer\ Curren,\ Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Suptimer\ Curren,\ Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Suptimer\ Curren,\ Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Suptimer\ Curren,\ Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Suptimer\ Curren,\ Colotado,\ {\sharp old}, Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Slope\ developing\circ,\ tree, Frank\ A.\ Garbutt,\ Slope\ developing\circ,\ tree, Slope\ developing\circ,\ tree,\ tree,\ Slope\ developing\circ,\ tree,\ tr$
	(tood Hope Consolidated Cold Mining Co., J. M. Sigaros, prest., J. Everett Bird, seey, and mgr. E. M. Bird, treas, Cap. St. Stormer Good Hope, San Jaconic and Anney, gold. Shaft and slope, 15000 toos free, steam, mills. J. B. Davian, sapt.
Pike City Sierra Ry, Nevada City 190,	King Solomon Mining Co., Grass Valley, Cal., C.L. ens. Bank, Maon St., Tlam Baggs, prest., J. M. Thomas, seey. Citizens' Bank, Irons., W. H. Weldon, mgr. Cap. 83k 82000000. King Solomon, 20dd. Tunnels The water. In Stamps. W. H. Weldon, 8001.
Placerville El Dorado Ry, 692,	Barnes Muning Co., H. L. Robinson, mgr. Barnes, gold. Shart, tree and retractory, steam. H. L. Robinson, supt.
	Blair Drift Mine, San Francisco, Cal. II, O. Bacon, prest, secy. and treas., F. P. Bacon, mgt. Blair, gold. Tunnel ofeveloping.
	Bobby Burns Mining Co. Henry G. Miller, freas. Boedy Berns, gold. Shatt, free water to stamps. Henry G. Willer, supt.
	F1 Dorado Ray Lunnet & Maning Co., H. S. Morey prest, the edge W. Kamade, seev. Thos. Alderson, freas., L. McNeidh mag, and supt. Cap. sit. storogo. H. Dorado Ray Lund, gold. Than edge, water. F1 Dorado Water & Dorado Angle Manie Co., Arthur Ayan, artest. Without R. Lobado, seer, and treas.
	Et Dorado Water & Deep Gravel Mening Co. Arthur Voong, ptest. William R. Colomb, seev, and treas Thirty mines, gold. Hydraulie.  Middlegood. Will Mening Co. Northurd Co. P. Paldy and C. P. P. Paragon, and pro-
	Middleereck Mill Mining Co., Sociamento Cat., 202 1 8t. C. S. Robb, prest, R. J. Parssons, seev and treas, S. A. Lime, mgr., Cap. 8th, 8X,000, Middleereck, gold. Tunnel, hand, S. A. Line, supt. Richard A. Gregory, Samuel Gregory, seev and treas. George Gregory, mgr., Oak Rauch, gold. Shaft
	and slope, 2720 tons, steam, 10 stamps, George Gregory, supt
	W. P. Stanley, Toll House, gold. Shatt and drafts water to stamps, toill. W. C. Green, supt. 10ff House Maning Co. Hook and Lodder, gold. Shatt and drafts tree, water to stamps. W. C. Green, supt.
Plymouth Annador Ry, 692.	Bay State Winning & Development Co., W. T. Jones, prest., A. J. Coster, socy., J. Woolford, treas., Cap., 8tk, 8200000. Bay State, gold., Shaft, steam, W. T. Jones, supt.
	Oscoda Consolidated Mining Co., San Francisco, Cal., 307 Montgomery st., Jacob Wilay, prest., Holland Smith, very Jos, Wertheimer, treas. Wichael Wertheimer, high. Cap. 5tk, \$10,000,000. Oscoda, Jold and silver. Shaft, They and Fethardery, water. J. W. Brown, supt.
Quincy. Plumas Ry. Reno. Nev., 692.	W. S. Denn. Genesce, gold. Placer, hydraulic.
	Golden Gate Munitz Co., Golden Gate, gold. Trainel, shatt and open pd., tree - steam - lestemps. C. L., McLaughlin, supt.
	Goodwin & Kelley, Cap. 850,000. Hungarian, gold. Placer, hydraulic, A. F. Lenyitt. New Town Plat. gold. Shaft and tunnel, hand.
	Frank Vere, Cap. 810,000. Vere's, gold. Placer, hydraulic,
Railroad Flat Calayeras Ry, Spring Valley 632.	
Raymond Fresno Ry.Herbert Switch 692.	Henry Timin, Cap. 8400. Varuna, gold. Shatts, footons; hand, Cook Bros. Cap. 848, 8500,000. Cold. Open pit, 1,500 tons; horse.

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LOCATION OF MINE,	
RAILWAYS, WATER ROUTES AND SHIPPING POINT	NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF FOWER USED, STAMP MILLS, ETC, AND NAME OF MINE SUPPRINCEMENT.
Town AND COUNTY	
Redding . Shasta Ry, 692.	Isaac Atwood. Lloyd, gold. Shaft and tunnel; tree; water.
	Benjamin N, Bugbey, Sacramento, Cal., Court-House, Cap. \$56,000. Little Nellie, gold. Tunnel, 2.500 tons, tree and refractory; water, mill. J. M. Gleaves, supt.
	Don Carlos Gold Mining Co., Santa Cruz, Cal., 179 Parelife av. J. L. Thurber, prest.; L. Markham, secy, and agr., City Eank of Santa Cruz, tress. Cap. 8tk, 500,000. Don Carlos. Tunnel; free and retractory; water and electricity, mill. Class Thistlethwaite, supl.
	Eureka Tellurium Gold Mining Co. Peter Scherer, prest.; George C. Jones, secy.; Bank of Shasta Co., treas, Cap. 8tk, \$1,250,000. Eureka, gold. Shatt and tunnel; free and refractory; steam. Peter Scherer, supt
	Christensen & Foster, T. W. Foster, mgr. Cap. \$10,000. Black dack, gold. Tunnel, 15,000 tons; free; water, mill. C. P. Christensen, supt.
	W. C. Hart & Co. T. H. Hart, mgr. Bismark Consolidated, gold and silver. Tunnels; free; water; mill, W. C. Hart, supt.
.e	Reed Mines Consolidated Co., San Francisco, Cal., Nevada Block. J. J. Howard, prest.: A. L. Cheminant, seey., James Duncan, treas., Robert Stevenson, ngr. Cap. 8th \$1,000,000. Reed, gold. Tunnels and shafts, free and retractory; steam, 5 stamps. Robert Stevenson, supt.
Relief Hill . Nevada (P.O.North Bloomfield) Ry, Nevada City 490.	Wankeshan Consolidated Co. Wankeshan, gold. Tunnel, placer: free; horse; hydraulic. John R. Jones, supt.
Riverside San Bernardino Ry, 692.	Gavilan Mining & Milling Co. A. S. White, prest,; C. W. Sylvester, seey, and mgr.; J. S. Castleman, treas. Cap. stk. \$1,000,000. Gavilan, gold. Shaft and tunnels. free; mills. B. R. Williams, supt.
Runnel Creek Siskiyou (P. O. Orleans) Ry. Ar- cata 692.	Runnel Creek Mining Co., Arcata, Cal. Win, Lord, prest., treas, and mgr.; Fred Gent, seey. Cap. 8tk. 830,000. Runnel Creek, gold. Placer, water. John L. Fehely, supt.
San Andreas : Calaveras Ry, Valley Springs 692	Agostmi & Ortion, G. Agostini, prest.; A. Ortion, seey.; E. Ortion, mgr. Cap. \$15,000. Last Chance, gold. Shatt and tunnel; free; steam and water. G. Agostmi, supt.
14	John Bathgel. Cap, \$100,000, Cordoya, shalt. Free, steam, 20 stamps. J. Holland, supt.
	Ben, K. Thorn. Illinois, gold. Shalt; Iree; horse.
	Thorpe Mining Co., Fourth Crossing, Cal. Moses Thorpe, mgr. and supt. Thorpe, gold. Shaft, free and refractory; water: 10 stamps (developing).
	Union Shaff Gold Placer Mining Co. Win, M. Murphy, prest.: Ira Hill Reed, seev, and ngr.; James Tiscornia, treas. Cap. stk. \$880,000. Union Shaft, gold. Shaft, free; water and steam, 8 stamps. Ira Hill Reed, supt.
San Bernardino, San Bernardino (Ry, 692, 40 miles.)	Bear Valley Mining Co., 63 W. Third St. Lewis Deck, prest; John R. Lusby, seev.; Ernest Waghorn, treas, Chas, L. Melzgar, ang. Cap. 84k, 84,000,000. Gordova, Moonstone, Iron Mask, Putsburg, East End, West End, gold, salver and lead. Sharts and tunnels; retractory. Chas, L. Melzgar, supt.
Santa Cruz Santa Cruz Ry, 552, 692.	$\Lambda, \Pi, {\sf Fitch}, {\sf -Stribling}, {\sf gold} \ {\sf and} \ {\sf silver}, {\sf -Tunnel}, \ {\sf tree} \ {\sf and} \ {\sf retractory}, \ {\sf steam}; \ {\sf 5.8tamps},$
Sawyer's Bar . Siskiyon By, Gazelle (92) (754n.).	A. Ahlgran. Red Hill, gold. Placer, hydraulic
	C. Barry & Co. Whistle Bear, gold. Open pit, placer, water.
	G. W. Fagelow & Sons. Cap. 87,000. Channel, gold. Placer, water.
	S. L. Finley, gold. Placer, water.
	Gold Bull Mining Co., Canton, Olno. J. P. Hole, prest., L. M. Jones, seey., H. L. Miller, treas. Cap. 84k, 81,000,000. Mountain Laurel and Klamath, gold. Tunnel, 4,200 Ions; free: steam and water, 20 stamps. Affect Ball, supt.
	Frank Manha & Co., Cap. \$25,000. Belcher, gold. Placer; hydraulic. Frank Manha, supt.
**	P. Napoles & Co. Cap. stk. \$50,000. Progress, gold. Placer, water. Pedro Napoles, supt.
	Fred Olson, Cap. \$2,000. Olson, gold. Placer, hydraulie.
	Edward Roberts, Roberts, gold. Tunnel and shaft, 4,850 tons, free, water, arrastre.
	Uncle Sam Quartz Mining Co. Uncle Sam, gold. Shatt and tunnel; free, water, 8 stanqs. Edmund Sheffield, supt.
	John C. Windeler. Panther Hill, gold. Placer, hydraulic.
Scott River . Siskiyon Ry, Yreka 692.	Reynolds & Jacobs. Skunk Hill, gold. Placer, hydraulic.
Seiad Valley . Siskiyon Ry, Yieka Gig.	W. T. Grider, Cap. \$8,000. Mississippi, gold. Placer, water.

. Bhasta Dayid Pesentia, Live Oak, gold, Shatt, funnel, Ea tons, Irec, Steam, Ry, 1827.

Shingle Springs, El Dorado - Dividend Mining Co., San Francisco, Cal.: 173 Raifrond av. D. C. W. Hodgkins, prest, seey, and treas., (F. O. Green Valley) - Aylmer Polton, negr. Cap. \$12,000. Dividend, gold. Placer, hand and water. Rv. 192.

Sailor Jack Mining Co., Oakland, Cal., 1010 Washington St. D. P. Gray, prest;: Sol. Rogers, seey.; H. H. Worley, treas. Sailor Jack, gold. Tunnel, tree, steam, mill. Harry, Prideaux, supt.

Lee Vat Co. Cap. 8tk, \$10,000. Wood Bros., gold. Placer, hydraulic. M. B. Phillips, supt. John S. Lowden St., Hamburg Bar, Cal., Lowden's Ranch. Cap. \$20,000. Jack Lowden, go'd. Placer, water and hydraulic. J. S. Lowden, supt.

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF MINE, KIND OF ORE. KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND
Town and County.	OF POWER USED, STAMP MILLS, FIG., AND NAME OF MINE SUPERINTENDENT.
Sierra City , Sierra Ry, Nevada City 490.	A. C. Busch. Photmy, gold. Tunnel, 65,000 tons; free; water, 40 stamps.
ny. voyana eny san	Butte Suddle Gold Mining Co. Francis Joseph Seitz, prest. Antone Seitz, seey., F. J. Seitz, treas, and nigr. Cap. (kg. 800,00). Butte Suddle, gold. Shaft and fininel, free.
	Chips Mining Co., San Francisco, Caf., 59 Nevada Block., W. F. Dean, prest, and treas., Chas. F. Elhol, Sery, and mrg., Gap.stk. 850,000,000, Chips. gold. Tunnel, 1,500 tons, tree, water, 12 stamps. Samuel Locke, Sunt.
"	Speria Buttes Gold Mining Co., Ltd., London, Eng., L8 Leadenhalf St., F. C., F. Tendron, prest.; John Saul, Seev., Win, Johns, hagr. Cap. 8tk, 81225,000. Sierra Buttes, gold. Tunnels, 7,300 tons; tree, water, lo stamps. Stephen Thomas, supt.
	Young America Consolidated Mining Co. Thos. Brennain, prest., J. H. Knuthson, seey. Cap. 83, 82,500,000, Young America, gold. Tunnel, 25,000 tons, tree, water, 40 statups. John H. Henderson, supt.
**	Auba Consolidafed Gold Mining Co., John H. Henderson, prest., J. H. Kmithson, seey., Hagerty & Leh- man, treas. Cap. 8tk, 86,000. Auba, gold. Tunnel, placer. Gabe Cortello, 8upt.
Suelling . Merced Ry, Merced 692.	Mrs. Sophia Jacobs. Minnesofa and Spangley gold. Free and retractory (0) stamps. Pawle Daggatso, supt.
	Badger Mining Co. A. F. Ellis, prest., J. M. Palmer, seev, and treas., Geo. L. Stayton, mgr. Badget, gold, "Shaft and bunnels" free "water, Geo. L. Stayton, supt.
	Consolidated Liureka Mining Co., San Francisco, Cal. 224 California 81. Hayward & Hobert, prest, and ingr., C.T. Bridge, seev, and Peras. Consolidated Liureka, gold. Shatt, G. loctions, Tree., steam and water, Jostanips. C. H. Dlomas, supl.
	New Albany Muning Co., New Assume, wold., Shaff, good tons, tree, water, he stamps., W. Long, stiple.
SomSbyville Tuolumne Ry, Oakdale 692.	Leceliman Prospecting to , San Francisco, Cab, 768 Cab to Cast. John S. Cox, 1083. Charles Christie, seek, John Leceliman, ingl., Kelly, 20d and stave. Sbatt and tunness, 5000 fons (toc., water, bestamps, William Sharwood, sept.)
"	W. Sharwood, Porto Fino, gold. Shatt (rec. steam developing).
	Tholumne County Beyelopment to John Sievers, prest A. Herrmann, seeve and Brars. Cap. Sik., Slogger, Platt and Gusen, gold, and silver. Shaft, 7.50 fous, free, steam and water to statups. A. Trattenbach, supp.
<ol> <li>Riverside, S. Bernardino, Rv. Elsmore 26.</li> </ol>	Peterson Bros., Terra cotta, Cab., Cap. 87, 00. (bendental), nd Lucky Turn, god and s Zeer. Shart, tuning and slope, tree and retractory. Dayld Peterson supt.
Spenceville Nevoda Ry. Wheatland 692.	Billier & Pietzsch - Cap Stoude - Champion Consolidated, gold, silver and copper. Tunnel and shaft, looking, retractory, water and electricity. Capt. C. U. Tether, supt.
	Goodhope Manug Co., Grass Valley, Cal., W. Piscov, posst., R. Vancent, so y ano Peas. A Gale, mgr Cap, 8tk, 850,000. Good Hope, gold and "Aver". Shaft: 1ro (8) det., R. Vincent, 80pt.
	W. H. Jankson, Care S. 5,000. "Jankson No , 20°d, 8 "ver and coroca." I miner cetractory band,
**	Manumoth Mining Co., Cap. 850,000. Manumoth, gold, 8 Aget and copper. Tunnel Tree line retractory water. John E. Deingsey, 8594.
Stella, Shasta Rv. Middle Creek 69.	J. C. Thickstin, Los Angeles, C.J. Cap (85.50) (85.75), $\pm 0.04$ (4 mag). The c. scatter
	West find to crap sta, stopol. West find weld. I ment and shaft two water to samps it part mill. Wim, Andrew, supt.
	Oliver P. Woodward, ir. Mountain View, Lold and sever. Turnel and shaft tetractory,
Sulphur Creek Colusa Ry, Williams 602.	<ol> <li>M. Cooper, Williams, Cal. Cap. 820,000. Clyde, 207d. Shatt and runnel, 5,000 tons. Steam. mill. W. Stevens, 80pt.</li> </ol>
	Manzanda Gold Maen, Co. Phelacopher, Rall St. Do. et Bld., W.W. Gibbs, prost, R. V.C. Smith seey and the strong V. Noethey, mg. Matzan in gold and cross live. Dimess retractory spain, to stamps and equative effective V. Noethey spain.
Sunny South Placet (P. O. Michigan Bluft) Ry, Auburn 692.	Hadden Treasure Maning Co. W. S. Davell, see V. Cate Slocood. Honden Treasure (20%). I much placer, 60,000 forms, horse. Harrow P. Pover, supt.
Sutter) reek. Amador Ry, Ione 692.	Belmont Gold Mining Co., San Transisco, Cal., acPine st. Room 5. Martin Jones, prest. J. I. Lafty seev., H. R. Hamisbook, Brass. J. H. J. beets, mgr. Cap. (S. Sougone, Belmont, 2016). Shoft in tunnel, advoctoris, Free, horse. Devanues. J. H. Palotty, 840, 8500,000. Belmont, 2016.
	Heetot Gold Muning Co., San Francesco, Cal., 33 Clay st., T. B. Vafentane, prest. James B. H. alios siegy., D. B. Francis, Gras., Cap. 8th, 8 (1998). Hunter, gold. Shaft, free "water, S. D. Valentine siph."
	South Fureka Mining Co. J. I. Mayon, prest. Jackson Dennis, seey, and freas. Cold. Shall. Wafer J. F. Parks, supt.
	Wildman Gold Mining Co., Boston, Mass., 4s Central St., W. Linerson, prest. Prying O. Whit agrees and Treas. John Perform, in A. Capesta, 81,0000. Wildman, 2001. Spatt. Scientifies. Pres 2 (de) are stamps. John Perforance and Computer Science and Computer Sc
Automit 655 (16 III)	<ul> <li>Idlewild Gold Manny, Co. San Francisco, Cally 26, Pine st., Room U.W. S. Chapman press, I.dv. J. Stone, seey. Anglost altoriman Rank, (teas. Taylor, gold). Shail, 200000 us. free orater a defect of the Astanpe, J. W. Chapman Sept.</li> </ul>
Temesead San. Bernardine Ry, S. Raverside 26 and 892.	<ul> <li>Li Lacher, Cap São, Kaig Solomon and Queen Sheba, gold and Saver. Turnel, blurs two: Steel stamps. Li Pachet, supt.</li> </ul>
Thron Payma Police	When the Charles Vissal and all the Landau and advantage and short and a transfer

Three Rivers — Tulary Win, O. Clough, Visalia, C.d., Lady Frania, gold and silver. Short and Camere 1997, 1997.
Ry. Visalia, 782, 783.

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sund.

#### GOLD AND SILVER (CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPU	T IN TONS OF 2,000 POUNDS, KIND
Town and County	OF POWER USED, STAMP MILLS, ETC., AND NAME OF	MINE SUPERINTENDENT.

- Auba Marysville Tunnel & Quartz Mining Co. G. H. Boyd, prest.; P. J. Williams, seey.; J. A. Maben, trea-le.) F. B. Crane, mgr. Cap. stk. \$1,000,000. Marysville, gold and silver. Shaft and funnel; free. F. Timburctoo (P. O. Marysville,) Crane, supt.
- Trinity Trinity Centre Diddy & Conwell, Cap. \$10,000. Snow Gulch, gold. Placer: hydraulic. Ry. Redding 692 (51 m.). Parry Bros. Cap. \$500. Parry, gold. Placer; water. M. F. Parry, supt. Tuttletown
- Toulnume Gagnere Mining Co., San Francisco, Cal., C. O. Dean, prest., Geo. R. Wilson, seey.; J. P. Gagnere, mgr. on 692. Cap. stk. \$10,000,000. Gagnere, gold. Shafts and tunnels; free, water; 20 stamps. Ry. Milton 692. Twenty Nine Palms Mining & Milling Co., Riverside, Cal., 466 Magnobia av. Cap. stk. \$6,000. Oro Fino, Oro Muncho and San Salvador, gold and silver. Shaft: free, hand and steam; quartz mill. Thos. Bakewell Jr., supt. Twenty-ninePalms Mining Dist S. Bernardino (P. O. Riverside) Ry.
- Whitewater 692. Valley Springs Calaveras Horsevill & Co., San Francisco, Cal. Horsevill, gold. Placer; free; steam and water, F. J. Horsevill,
- Victor San Bernardino Black Hawk Gold Co., Los Angeles, Cal. Jno. E. McFee, prest.; Harry Del Mar, seey.; Alex, Del Mar, Ry, 392. Tunnels and shafts: refractory; steam; 10 stamps. mill.
- Morongo Minnig & Milling Co., Riverside, Cal. Dr. K. D. Sugart, prest., S. H. Herrick, seey.; W. S. Sweatt, treas. D. A. Wheeler, mar. Cap. 8th, 81,000,000. Rose, gold. Shaft, 3,000 tons; refractory; sceam. 5 stamps. D. A. Wheeler, supt. Riverside Silver Development Co., Riverside, Cal., Its Seventh st. W. A. Hoyt, prest., S. S. Nowlm, seey., Orange Growers' Bank, treas: John S. Reece, mar. Cap. stk. \$10,000. Silver Reef, gold and silver. Shafts and numels. Tree: horse. John S. Reece, supt.
  - Valley Gold Mining Co., Ltd., Holcomb Valley, Cal. W. E. Pedley, mgr. Valley, gold, Placer; hydraulic,
- F. Pedley, supt. Volcano Amador A. H. Gracey. Lone Willow, gold. Shatt and tunnel; tree; steam, quartz mill. Ry, Jone 692
- A. H. Gracey & J. D. Matthew. New Castle, gold. Tunnel; free.
- Volcano Gold Gravel Mining Co., Santa Cruz., Cal., cor, Cooper and Front sts. Christian Hoffmann, prest, F. D. Scott, seey.; Pacific Bank, treas.; John Fekart, mgr., Cap. stk. Scottono. Volcano, gold and sliver. Open pit and timnel, placet, tree, bydraine, John Fekart, sipt. Siskiyon Eli Kelly & Co. Cap. \$3,000. Manifold Compensator, gold. Open pit; water (developing).
- Nevada Baltic Mining Co. Baltic, gold. Tunnel, tree, steam, 20 stamps, Washington
  - German Mining & Milling Co., Rochester, N. V. H. M. Reichenbach, prest.: Albert Will, v.-prest. S. C. Fassayani, seep., R. R. Rubskell, freav., M. D. Gooley, ngr. Cap. 84k, 8500,000. German, gold. Tunnel; tree, water; it stamps. M. D. Cooley, supt.
  - Fritz Meister. Alta and Waldeck, gold. Shaft and tunnel, water, 6 stamps, mill.
  - C. Phelos. Phelos. gold. Placer, tree, hydraulic.
- W. L. Williamson & M. M. Cole. Giant King, gold and silver. Tunnel: free; water. Watsonville Santa Cruz Pajaro Mining Co., Sacramento, Cal., 4.9 J st. F. R. Waggoner, prest., Jos. W. Tryon, seey., Stanton Myers, treas., R. D. Waggoner, mgr. and supt. Cap. stk. sto.000, Pajaro, gold and iron, Tounel, 3,560 (tols, tree, mil)
- Weaverville Trunty Trunty River Hydrauthe Gold Mining Co., Denver, Colo., Boston Bldg. - Win, Gelder, prest.; L. L. Bailey, 82, seey, and treas.; A. G. Dunbar, mgr. - Cap. 8tk, \$500,000. - Hubbard, Denver and Turner, gold. - Placer. Ry, Redding 692.
- ...Amador Clinton Consolidated Gold Mining Co., San Francisco, Cal., 234 Montgomery st. Clas. S. Wieland, prest., Clas. E. Guin, seev., Nevada Bank and Wells, Fargo & Co., treas. Cap. stk, \$5,000,000. Clinton Con-solidated, gold and silver. Tannel and shaft, 25,000 tons; free; steam and water, 30 stamps. John E. Ferris, supt. Wiefand Ry. Jone 26.
- Williams Colusa, H. M. Cooper, Cap. \$60,000, Clyde, gold. Shatt and tunnel; tree; steam, mill. James Hawkins, supt. Ry, 692.
- Nevada Lave Cak Consolidated Gold Mining Co., San Francisco, Cal., 1011 Fourth St. J. A. Matlett, prest., H. J. Goethe, seey., D. O. Mills & Co., treas. Cap. 8tk. 825,000. Live Oak, gold. Shaft (developing). Wolt Ry, Auburn 692. You Bet Nevada, G. S. firown, Brown's, gold. Slope and hydraulic, tree, water, 8 stamps,
- Ry, 490.
- Jas, McManus, Cap, \$250,000. Fool's Hill, gold. Timnel, 2,000 tons, free, water, to stamps Yreka Siskiyon, Eli Kelly, Bullion, gold. Shaft, tree, hand and water, Hy. 692.

#### IRON

LOCATION OF MINI RAILWAYS, WATER ROUTES AND SHILPING POINT	NAME OF COMEANY OF INDIVIDUAL, LOCA NAME OF WINE, KIND OF ORE, KIND OF POWER USID, BLASS FU	COL MINE, ANNUAL OUTI	STIN TONS OF 2,000 POUN	rs, Kind
Town isn County				

- San Bernardino California Tron, Steel & Tin Plate Co., Albuquerque, N. M. T. R. Gable, prest.; C. L. Hubbs, seey, and mgr., Jesse Anthony, treas. Cap. stk. \$5,000,000. Duck Turpin and Tip Top Groups. Shafts, tree. Tey. 26 (30 miles).
- Lavermore Alameda H. H. Pitcher. Mendenhall, 1,000 tons, chrome, iron. Jos. Tickell, supt. RV, 692.

#### 1RON (Continued)

LOCATION OF MINE. RATEWAYS, WATER ROUTES AND SHIPFING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

San Luis Obispo, San Luis Obispo Ry, Port Hartford 552,

W. Copeland dessero, Monterey st. W. Copeland, prest and mgr., Capt. Funcher, se-treas, Pick and Shovel, chrome, from Tunnel, so tons, hand. W. Copeland, supt. tapt, Pancher, seev., L. Rackliffe

#### MICA

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Rv. 26.

"Los Angeles, C. H. Clayton, Cap. 85,000. McKinley. Open pit, hand

#### MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER ROLLES AND SHIPPING POINT.

Town

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE KIND OF PRODUCT, KIND OF MINE ANNUAL OUTFILT IN TORS OF 2, 00 POUNDS, KIND OF POWER USED, PAINT MILES, ETC., AND NAME OF MINE SCIEDANTENDENT.

Red Bluff Rv. 692, 640.

Tehama Tehama Consolidated Chrome Co. P. C. Grumba (sh. prest, and treas - J. A. Heslewood, seey, and mgt Cap. 84k, 8200,000. Tehama, chrome - Open puts, adoctors, hand. J. A. Heslewood, supt.

# QUICKSHAVER AND ANTIMONY

LOCATION OF MINE RAILWAYS, WOLLD ROLERS AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PURCHASI OFFICE, NAME OF OFFICERS, CAPITAL SIGNAL NAME OF MINE, KIND OF OHE, KIND OF MINE, ANNI OF OFFICE STONE OF 2 OF POLYDS, KIND OF POWER USER, AND NAME OF THE STONE OF 2 OF POWER USER, AND NAME OF THE STONE OF STONE OF THE STONE OF

Lina N. Lidell Ny.

Etna Quicksilver Mining Co., Roston, Mass., 126 Stafesst., John G. Wright, prost. Henry Hastings, serv. and frear., M. G. Rhodes, mar., cup. sith, 855000. I fina Marcs, suncksilver. Shafts, bunnels an slopes, 60,000 tons, canadom steam and art furnaces. M. G. Rhodes, s. spl. Shatts, tunnels and

Helena 692 Calistoga Ry, 692.

Napit Black Bear Consolidated Quicksilver Maning Co., J. O. Cilver, prest. W. L., Culver, sery, and treas. L. W. Lee, high. Black Bear, quicksilver. Tannel and shatt. Tree. L. W. Lee, supl.

Eastern Quicksilver Co., San Francisco, Cal., 120 Montgomery St. [1] A. Mindge, prest., T. A. Berlin, seey Cap. 8tk 8200,000. [Liverpood, Plymonth, etc., quicksilver. Shatt, sterno

Great Western Quicksilver Mining Co., San Francisco, Cal., 28 Montgometyst. Gilbert Palache, prest. Abraham Halsey, seey. If W. Newhall & Co., treas. Cap. 3th Scoregon, Great Western, quicksilve. Shaft and funnel, 5500 tons cannabat (steam torances). Arctive Rocca, supt. 

Guerneville Ry. 651.

Sonoma Great Eastern Quicksilver Minnig Co., Oakland, Cal., 61; Markef St., Richard Abbey, prest., Abbey, seey, and mgr., Great Eastern, quicksilver - Shatt and fining', 10,000 tons, steam Abbey, suid.

Healdsburg Ry. 529

Sonoma Chinabar King Mining Co., J. S. Young, presh., J. W. Rose, seey. W. P. White, freas., Filward White, mgr., Cap. stk. 850,000. Chinabar King, quicksilver. Lunnel, hand. Lidward White, supt.

Hollister Rv. 692.

San Benifo, Stayton Mining Co., San Francisco, Cal., 4to Pine st., R. L., Knox, prest., F. Smith, seey, and treas. Cap. stk, 850,000. Stayton, uncksilver. Shaits and formels refractory, furnace.

George Vaughan, App. 825,000, Vaughan, Slope and funnel, hand,

Kernville Ry. Caliente Sta'n 692,

Kern, Summer & Brown, Standard, antimony Shaft and Famel, J. W. Sammer, supt.

Knoxville Ry. Napa 552.

Aupa Antonio McMillan, San Francisco, Cal., 25 Second st. Cap S100,000. Redington, quicksilver. Shafts and finnels, 10,000 tons, emmabar, steam, paracee. Thomas Callaghan, supt

Lebord

Lake Mining Co., San Francisco, Cal., 40 Pine st., 47 F., Knox, seev. and treas. Cap. stk., 8500,000. M. hattan, quicksityer. Shaffs, tunnels and open pit (emnabri), steam, furnace. J. J., Hatkins, supt.

Ry, Castella Sta'norg,

Shasta Integral Quicksilver Mining Co., New York City, Room 18, 29 Broadway. Archibald E. Metary, prest 1992. Win, J. Sampson, seyy, and treas. Cap. 84x, 85a,05000, Integral, Blockade, Boston and 30 others. Physics 1997. Shatt, Immels, slopes, 60000 1998, 85am, effectively, water Intrance. Archibald J. Archibald B

Lower Lake

ver Lake Lake J. C. Baker. Baker, quicksitver. Shatt and tunnels, 2000 tons, herse and hand reforts. C. Baker supt Ry, Calistoga &g.

Sulphir Bank Quicksilver Mining Co., San Francisco, Cali, 200 California St., Louis E. Parrott, prest. T. Wintringham, seey., London and San Francisco Bank, Ltd., 1998. Cap. 8tk, 84900 000. Sulphir penek silver. Open, 12000 1008. Stepin, 1976ace. Richard White supl.

Middletown Ry, Calistoga 602.

Lake Bullion Quicksilver Mining to Thos Habishaw, mgr. tap. 8tk, 855005. Bullion of nicks lyer. Shart and funnel, emiabur, hoise, furnace.

Munz & Ransdell, Chicago, quicksilver. Shaft, tunnel and open pit, hand

# QUICKSILVER AND ANTIMONY (CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT

OND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED, AND NAME OF MINE SUPERINTENDENT.

New Almaden, Sanla Clara | Quicksilver Mining Co., New York City, 20 Nassau'st. | David Mahany, prest; A. L. Bailey, seey.; Jas. D. Smith, treas., R. R. Ballmore, agt. | Quicksilver, Shaff and tunnel, 25,178½ tons; cinnabar; steam and electricity; turnace. Jas. Barry, supt.

Oat Hill Ry. St. Helena 692.

Napa Consolidated Quicksilver Mining Co., Boston, Mass., 86 State st. F. H. Odiorne, prest., W. B. Buckmunster, seey, and Irreis. Cap. 8tk \$50,000. Manzanita and Eureka, quicksilver. Shait and funnels, 2000 tons; climator, steam, furnace.
E. M. Newcomb, supt.

San Simeon, S. Luis Obispo Black, Hawk, Mining Co. – John Seccombe, prest, and mgr., W. S. Whitaker, seey., Geo. Van Gorden, treas, Ry. 552.

Gap. stk. 82,000; indv. cap. 85,000. Black Hawk, quicksilver. Tunnels and slope; gray black; hand; reforts, John Seccombe, supt.

Sulphur Creek Ry. 529.

Colusa Abbott Quicksilver Mining Co., San Francisco Cal., 310 Pine st. J. L. Rathbone, prest.; J. W. Pew, secy.
Abbott, quicksilver. Slope and tunnel, 8,000 tons; chunabar; steam; furnace. Jl. L. Lightner, supt.

#### $S \times LT$

LOCATION OF MINE OR WELL. RAILWAYS, WATER ROUTES AND SHIPPING POINT. Town AND COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE. KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Alvarado Ry. 552. Mt. Eden Rv. 552

Alameda <sup>†</sup> Crystal Salt Works, Newark, Cal. Cap. \$75,000. Crystal dairy. Salt marsh, 5,000 tons; evaporation. Plummer Bros., supts.

Manieda Cant, Bichard Barron, 5,000 tons; sea water; evaporation,

F. Ohlson, 500 tons, evaporation from sea water, "Mrs. E. A. Oliver. Coarse. 4,500 tons, evaporation from sea water.

Union Pacific Salt Co., San Francisco, Cal., 216 Sacramento St., John Barton, prest., treas, and mgr., W. F. Barton, serv., Cogrsc., 15,000 tons, evaporation.

San Diego La Punta Salf Werks. J. E. Shaffer (agent), San Diego, Cal. Coarse, 600 tons, steam; evaporation. Otav liy.552,692. San Francisco

Alameda Solar Salt Works, 211 and 213 Sacramento st. Cap. \$35,000. Evaporation, 4,500 tons, steam. Geo. Beattie, supt.

San Lorenzo Rv. 552. DA 692

Sites

Town

Alameda: Peter Mathnesen Salt Works, Hans Mathiesen, mgr., Coarse, Salt marsh, 1,500 tons; evaporation, hand and horse Colusa Antelope Crystal Salt Co., J. W. Good, prest., T. Harrington, seey., Colusa County Bank, treas.; J. P. Rathburn, mgr., Cap. stk. 850,000. Coarse. Well, evaporation, horse, J. P. Rathburn, supt.

#### SLATE

LOCATION OF ULARLY. RAILWAYS, WATER ROCTES AND SHIPPING POINT

AND COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS. KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.

Ry. Placerville 692.

L1 Dorado "Jacob Strahle Slate Co., San Francisco, Cat., 55 Market St. W. E. Shipman, prest., R. J. Davis, seey, and ille 692. treas., Jacob Strahle, mgr. Cap. 8tk. \$100,000. Strahle. Open, 2,000 tous, water.

Placerville

El Dorado El Dorado Big Tunnel & Mining Co., H. S. Morey, prest., Geo. W. Kimble, seev., Thos, Alderson, trens., L. McNeil, jugt., Cap. sik, 8100,000. El Dorado, Open and tunnel, water. L. McNeil, supt.

Perme & Mothersole, Chili Bar, Cal. Chili Bar, open, water. Geo, J. Mothersole, mgr.

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LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPTING POINT Tows 4811 COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN FORS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SCIERISTENDENT.

Keeter

Tev. 108.

Inya Inya Development Co., Carson, Nev. H. M. Vermuton, prest., G. F. Ford, seey, and treas., L. F. J. Winkle, mar. Cap. 8tk. 81,250,000, Owen's Lake, soda. Placer, 2,000 fons, steam, mill. 6,000 fons. L. F. J. Winkle, supp.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock. NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, STONE OR MARKELF MILLS, LIMILBILIS AND CAPACITY, ETC., AND NAME OF MINE SCIEBINTENDENT

AND Town

, Los Angeles, R. E. Nickel, Cap. \$5,000. Red sandstone. Open pit, hand, Acton Ry, 692.

Agua Caliente

Sonoma, M. K. Cady, Cap. 850,000. Basalt, Open pit, hand, Ry, 651.

Bayside

Humboldt Pacific Coast Construction Co., Eureka, Cal. A. Ballantyne, prest. W. Smipson, seey., Thomas Brown, treas, and supt.; James Slimpson, mgr. Cap. stk. S00,000, Jacoby Creek, sandstone. Open ptf. 70, 000 fors, stemn, mill. Ry. 552. Columbia Tuolumine Columbia Marble Co., San Francisco, Cal., 317 Brannan st. Cap. 875,000, Columbia, marble. Open p.t.

Ry Oakdale 652. water, marble, mill. Cordeha Solona Alex, McNaughton, Cap. 82,000, Haden Hill Quarry, basalt Open, horse, mill, 1,000 tons,

Ry, 692. R. Phomason, San Francisco, Cal., 28 Phelian Bildg. Cap. 850,000. Thomason's quarty, basaff. Open, 100,000 tons, steam, crushet. Win. Nickel, supt.

Presno Day Granite Co., San Francisco, Cal., 1999 Scott St., Granite (19,000 tons, steam, 4, G. Day, supt. Day's Spur. O. Raymond : Ry.

602. San Lius Obispo Consolidated Batuminous Rock Co., San Francisco, Cal., Room 143 Phelan Eddg. A. C. Bassett, prest. F. C. Lewis, seey., Augle californium Bank, Edd, treas. Jas. H. Switt, ngr. Cap. 8tk, \$60,000. Bituminous, Open, 2000 tons, band. Edna Rock Siding 551.

1211 Tulare, Rocky Point Granite Works, Cap. 8th, \$10,000, Rocky Point, granite, Open, 50 tons, hand. D. R. Griffith, Exeter Ry, 692.

Santa Cruz H. T. Holmes Lanc Co., San Francisco, Cal., 221 Wission st. H. J. Holmes, prest., T. H. Hawkins, Seey., Win, Jones, Breas, Cap. 8tk, 8720000. Holmes. Open, 1000 form hand, limekilus, 1000 fors. Win, Russell, supt. Felton. Rv. 692.

Santa Barbara Gayiota Mining Co., Los Angeles, Ca', N. W., cor, Temple and New High sts. W. N. Haeler, prest and ox Angeles Ry. — mgr., L. F. Graves, seev., W. E. Pile, trens. Cap. stk 8,75000 — Gayota, bitummons rock. Open pd. Cax total (P.O. Los Angeles Ry.

Hillsdale Santa Clara, Jacob Piertler, Graystone Station, Cal., Cap. \$10,000, Goodrach, sandstoner, Slope, 2000 fores, steam, hand, John Pheiffer, supt Ry, Graystone 692,

Inyo Inyo Marbie Co, of California, San Francisco, Cal. 1.5 Montgomery st., Julius Jacobs, prest. Geo. W. Lines, seey., G. P. Kiyford, Heas, and high. Cap., sta. sligwiger. Inyo, marbie. Open, pd. 2000 tons steam and water marbie. W. C. Polges, supt. Ry, 108

King City Monterey, H. G. Livingstone, San Lorenzo, but manous rock, Slope, 100 tons, hand, Rv. 692.

Lane Kifn Tulare Pogne & Sons, Lime Willi, Cal. Koweali Lime Works, mattle and line. Onen a toko fons. Kdn Loop lay. Exeter ou

Lincoln Placer Byine Bros. vap \$2,000. Granife. Open pit socious steam Ry, 602 T. I. Coffey, Cap. \$1,000 Grande, Open pit, auctors horse

H. Jefer, Cap. 85,000, [1] X. L., gramite. Open pit, 2000 tons. horse.

"Placer Carlaw Brosh, Sacramento, Cal., Tenth and R sts. Cap 8 5,000. Carlas v. gravite. Open pd. 2000 tons horse, gaing sawimill. Geo. W. Lurner, supt. Loomis Rv. 602

> M. J. Henry & Co., San Francisco, Calabati Montgometry st. Cap. stb. 820,000. Toola 8, 21 mile. Open put. Ameters steam, W. L. Cook, Supt.

Western Grantte & Marble Co., San Jose, J. al., 550 N. J. 181 St., B. D. Merphy, ptest, W., K. Benns, seeg., Commeternt Rank, terns. O. H. Barthart, mgt., Cap 8tk/850,000, Cryst d. Lake, and Louiess, grantte, 2,000 tors, steam, mill. d. A. Grant, supl.

Los Angeles, W. P. Rhoades, Los Angeles, Cal., 125 W. Second st., Tond burg, red sandstone. Hand Lordsburg.

Ry. 26. Los Angeles - Lauravem Grande v.o., Los Angelos, v.a.f., cor., Repuena and Williamgton sts. (E. I. Grag, poet J. J. Grag, seey. J. H. Grag, from S. M. Chog, from C. q. sits Spiese, Lauravem Letunite, Open pit. L. Switzer, John H. Grag, spiese. Los Angeles Ry. 26 and 632.

Santa Clara Los Gatos Lune Co., San Tranessen, Cal., L. Montgonery st., J. Lemmen Meyer, arest. W.S. Som-vell, seey. Goodge T. Whith y. trees. John T. Pris, and and supt. Cap. Sids 80, 00. Los Gatos Time Col. Quarty, blue lunestone. Open pd. Joceticus Jonal, kith. 270 feas. Los Gatos Hy. 692,

N. W. Griswold, San Francisco, Call. 21 New Montgomery st. Basalt. Open, 25) tons. hand. mill. Los Guilleos Sonoma (Nota P.O. Ry. 651, 612 Nevada, P., D. Bradges, P. O. Box tay, Pine Grove, granite. Open, forestons, horse and hand, will,

Nevada City By. 490. Marmoda

Fatwell stone Co., San Ptanetsco. Cab., 49 Pine St., Room 44. Wm. Fatwell, prest. J. M. Metr. Lises. Bank of California, treas. Cap. Sik Stegood. Noles & Latwell, sandstone. Open, 200000 tons. For sand land. Am. Fatwell, spik. Ry, Farwell's Spur 692. Oakland

dand Alameda California Improvement Co., 1963 - Brondway, Rooms Stand S. W. H. Barber, prest. W. M. Brarbesso, and treas. J. H. Meyers, mgr., Cop. 8th Sociose - Laundry Farm, John rock. Oppositions steady reisher. W. H. Masterman, supp.

Oakland Paving co. (local), 206 Broadway, C. I. H. Palmer, prest and treas. C. I. Barke, sees-stk 830,000. Itap tock. Open, steam and hand, consher. Al. H. Fastman, supt.

Sonoma Wilkinson & Kellas, Cap stk. st., oo. Harper's, basalt, Open jut. Locotons, hand Penn's Grove Ry. Petaluma 651.

Petahinia Sonoma, John Lynch, Basalt, Slope, 1,500 tons, hand, John Lynch, supt.

Amador Amanor Marble Co., Oakland, Cit., P. O. Boy ass. Timest Horgh, serv. D. L. Cellers, the ser. Amador, marble, swetons, water, mill. D. McAnains, soft. Plymouth. Ry Carbondale 692.

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY, BAILWAYS, WAFER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,  NAME OF MINE OR QUARRY, KIND OF STOKE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TORS OF  2009 POUNDS, KIND OF FOWER USED, STOKE OR MARBLE MILLS, LIMPELIES AND
TOWN AND	COUNTY.	Capacity, Etc., and Name of Mine Superintendent.
Raymond Ry, 692.	Fresno	Day Gramte Co., San Francisco, Cal., 1009 Scott st. Day, gramite. Open, 8,000 tons; steam.
		A. McLennan, 8an Francisco, Cal., 1616 Jackson st. Cap. \$20,000. McLennan's, granite. Slope; steam.
		J. F. Milne & Co., Box 61. J. F. Milne, mgr. Cap. stk, \$2,500. Milne, granite. Slope; hand.
		Raymond Granite Co. James Mildrum, prest.; John Bowrie, secy.; J. Hutcheon, treas.; Alex. Mann. mgr. and supt. Mann's, granite. 150,000 tons; hand.
Riverside, San Ry, 692,	Bernardino	G. W. Clark, Box 301. Cap. \$10,000. Casa Blanca, granite. Open pit and slope, 20,000 tons; horse and hand. G. W. Clark, supt.
**	. "	Evans & Middleton, Box 737. Cap. stk. \$14,500. Arlington, granite. Open pit, 1,700 tons; hand; mill.
Rocklin, Ry, 692,	Placer	Copp & Waters. Copp & Waters, white grante. Open pit, 1,500 tons; steam,
**	"	Degan & Brady, San Francisco, Cal., 423 Eleventh st. Cap. \$150,000. Degan & Brady's, gramte. Open pit, 200,000 tons; steam; mill. P. Cloon, supt.
**	4+	Hytiner & Wickman, Box 24. Granite. Open pit, horse,
		Rocklin Granite Co., Oakland, Cal. A. L. Delano, prest, and mgr., Ernest Hough, secy, and treas. Cap. stk. \$50,000. Rocklin, granite. Open pit. 4,000 tons: steam; mill. A. L. Delano, supt.
San Diego Ry, 649,	San Diego	Clark-Rockfellow Granite Co., 1234 D st. E. F. Rockfellow, prest, and seey.; C. E. Clark, mgr. Cap. stk. \$10,000. Granite. Open pit; steam; polishing; mill.
••		Evcelsior Paving Co., Consolidated Nat. Bank Bildg. J. W. Thompson, prest.: Gratz K. Brown, seey, and mgr.: Consolidated Nat. Bank, treas. Cap. 8tk. \$50,000. Rockylle, porphyry. Open, 20,000 fons: steam, crisher. Chas, M. Hough, supt.
San Luis Obisp San I Ry, 551.	o. Luis Obispo	San Luis Obispo Fatuminous Rock Co., Los Angeles, Cal., 214 S. Broadway. W. J. Brodrick, prest.: G. A. Doburson, seey.; First Nat. Bank of Los Angeles, treas.; J. A. Fairchild, mgr. Cap. stk. \$5,000,000. Battuminous rock. Open, 20,000 tous; hand.
Santa Cruz Ry, 551, 692		Consolidated Batuminous Rock Co., San Francisco, Cal., Room 143 Phelan Bidg. A. C. Bassett, prest., F. C. Lewis, seey.; Anglo-Californian Bank, Ltd., (reas.; Jas. II, Swift, mgr. Cap, sik, \$500,000. Bituminous. Open, 20,000 tons; hand.
	**	N. P. Perine Paving and Construction Co., San Francisco, Cal., 116 Phelan Bldg. N. P. Perine, prest.; R. C. Mattmaty, seey., Pacific Bank, trens.; Frank Walker, ngr. Cap., stk. \$60,000. Ennight Deposit, butunions rock. Open pit and slope, 5,200 tons; hand. J. A. Ennight, sapt.
Santa Rosa Ry, Annab		C. G. Borg & H. C. Patridge, San Francisco, Cal., 302 Montgomery st. Annabel, basalt block. Open pit, 39,000 tons; hand. C. G. Borg, supt.
**		City Street Improvement Co., San Francisco, Cal., Merchants' Exchange Bidg., Room 32. J. W. McDon- ald, prest, and ngr., W. E. bennison, seey. McDonald, basaft block. Open pit, 300 tons: hand; mill. Thos. O'Comor, supt.
**	**	T. A. Ducharm, Cap. \$21,758. Ducharm, granife. Open pit; hand; mill. T. A. Ducharm, supt.
**	**	J. W. McDonald, San Francisco, Cal., 234 Montgomery st. Cap. \$100,000. Basalt rock. Open pit, 700,000 tons; hand. Thos. O'Connor, supt.
Sonoma Ry, 651.	Sonoma	H. C. Manuel. El Campo, stone. Open pit, horse and hand, mill. Harvey Manuel, supt.
	**	J. W. McDonald, San Francisco, Cal., 234 Montgomery st. Cap. \$100,000. Basalt rock. Open 430,000 tons, hand. A. Pinelli, supt.
South Rayersid San Ry, 26,	le. Bernardino	Porphyry Paving Co., Los Angeles, Cal., 44 Baker Block. J. O. Wheeler, prest.; H. A. Palmer, seey.; Farmers' & Merchants' Bank, freas. Brown, mgr. Cap. 8tk, 840,000. Porphyry. Open, 20,000-tons; steam, crushers. Frank McBride, stpf.
Sutter Creek, Ry, Ione 69		Carrara Marble Quarry of Amador Co., San Francisco, Cal., 566 Battery st. Paul Rarbleri, prest., Charles Dondero, seey; Eank of California, (teas., Cap. 8tk, 8500,000, Carrara, marble, Open, 2,500 tons; hand, mill.
Temecula Sta.	San Diego	C. N. Fernald S. Son., Can. 84,000. Granite, 200 tons; hand.

Temecula Sta. San Diego C. N. Fernald & Son. Cap. \$4,000. Gramte. 200 tons; hand,

Victor San Bernardino Conrad Scheever, Los Augeles, Cal., 227 W. First st. Cap. \$20,000. Grante and marble. Open pit, 17,640 hy, 602.

Verde Antique Marble Co., National City, Cal., National av. and Tentlest. Verde Antique, marble. Open pit, hand, marble mill. Goo, K. Phillips, supt.

SEE ALSO SUPPLEMENTARY LIST

# COLORADO

# ASPHALTUM

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT

Rangely Rio Blanco, R. Tovey and others: Cap. \$50,000. Tunnel. R. Tovey, supt. Ry, Fruita 215.

#### CEMENT

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROTTES AND SHIPTING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OR QUARKY, KIND OF PRODUCT KIND OF MINE OR QUARKY, ANNUAL OUTPUTENTONS OF 2000 Pounies, Kind of Power, Users, Cement Milles, Litc., and Name of Mine Scienintendent

Lows COUNTY.

Colorado City El Paso. The Stewart Stucco & Cement Co., Colorado, Spiangs, Colo., 116 N. Water St., John Curr, paest., J. E. McIntyre, secy., G. H. Stewart, gen. mgr., and secy., Cap. 8th, 850,000, Cement., 3,000 force, steam, Ry. 26, 215. MeIntyre, secy G 1 water, mill, 3,000 tons

#### COAL ANTHRACITE

Locarton or Vita-LAH WAYS, VALLER ROLLES AND SHIPPING POINT

NAME OF COMPANY OF INDIVISION ASSETS OF THE PRINCIPLY FROM FOR NAME OF DEFICIOR AND KIND OF MINE ANNIAL OF THE ASSETS OF POINTS. KIND OF POWER USES COLUMN REPORTS WISHER CO. A OVEN- DE NOME OF MINE SCIEDAND NO. N.

Viithracate -Ry, Crested Butte 215,

Gumison Colorado Fuel Co., Denver, Colo., 701 Boston Bldg., J. C., Osgood, prest, D. C. Beanan, seev. A. C. Butte 2G., — Cass, treas., J. A. Kebber, high Cope of Strongero., Avalanced to No. 1, Pantella St., 28 John Steam and holese, breaker, N. C. Whooder, 8a of the

La Veta Huerjano, John Herling, local - Tunned and shaft, hard Ry. 215

# COAL BITUMINOUS

LOS ATTOS OF MINE. RAILWAYS, WATER ROLERS AND SHIPPING POINT

NAMES COMPANYOR INSINTED TO CHOOSE PRINCIPAL OFFICE NORS OF OPPICERS CAPITAL STOCK NOTE AND KIND OF MINE ANNERS OF THEFT IN LOSS OF 2 OF FOLKOS, KIND OF POWER, USED COAL OLD NORTH SERVICES WASHING, COAL OWENS, AND NAME OF MYST SCIEDING INDICATE.

Towns Baldwin Ry, 776.

Gumison, Umon Paethe Coal Co., Omaha, Neb., Night and Tathamests. G. W. Megeata, gen stept., Cap 8th, 820, 000,000. Baldwin, Shaft, 14,773 fons, stepin. John Webb, stept. Lis Ammis Colorado Coal & Iron Co., Pueblo, Colo., Leband J. Bergin, prest. Thomas I. H. Cartis, seey, and treas, F. M. Stock, 20n ing.: Cap, sik Stophygon, J. More No., Sept. Psychologists, Steam., David Allen,

Berwind

Boulder Allen & Bond clocal Stope, 1,000 tops steam H. W. Allen, supt

Boulder Rv. 776.

The Boulder Coal & Pite Clay Co., Thomas C. Johnson, prest of B. Hissey, se v. James C. Haykans, treas: 1 t. Johnson, mat. Slope, 20000 fores.

Canfield Ry. 776. Boulder Charles Dale, Cap. 85,000, Standard, Shatt, 5,000 fors, steam

Canon City Rv. 26, 215, 776,

Fremont United Coul Co., Denver, Colo., 521 Ernest & Cranmer Bbl. James Carmon pl., prest., C. L. Spencer, seey. J. J. Thomas, mgr. Cap. stk. 81,000,000. Shatt, drift, steam. John Sanpson, supt.

Cardiff. 123 %

Garfield, Grand River, Coal X, Coke Fo., Colorado Springs, Celo J. E. Whoeler, prest [8,8] Lares seey. W. S. Cherty, A.; prest and gen [mgr., Cap. 8th Septone Cospital, Colleh, Marton and Sinskipe [20000 tons, Steam, 20000 tons, Steam, 20000

Ry. 26, 215

Fremont: The Western Lucl'Co., Paeblo, Colo., 1150 St., J. H. Bennett, prest., G. J. Durbaugh, see a mar treas. J. A. Joy, mgr., Cap. 8th, 850,000. Chandler, "Shaft, 100,000 long steam", G. A. Shaelds, s. ad.

Coal Creek Rv. 265.

Fremont Colorado Coal & Iron Co., Pueblo, Colo. Edward J. Betwind, prest. Thomas, S. B. Britis, see treas. F. M. Steck, gen. hog. Cop. Stk., Shrowness, Co. H. Crock., Slope, 20,000 rous. Steate. E. Wilhlen, supt. Book to

Coal Park Ry. Latayette 88.

Boulder Baker Coal Muning Co., Denver, Colo., to 5 Champa st. E. B. Light, prest. Ben Macdonald seev. ress. freas., D. W. Davis, mgr., Cap. stk. 800,000 (Eaker, Slope, 25,000 forms steam, Thos. Vanglen snot

Coaltidge Newcastle 26, 215,

Garfield. The Colorado Luci Co., Denver, Colo., 764 Boston Block. J., U. Osgood, prest. D. C. Bosnor, sec. — V. C. Lass, Braiss. J. A. Kelder, m.g., Cap. SIK, S. 8000000. Coallinge, No. 5., Lannel, Slope, 11, 74 Ions. Sec. in horse. Tank Bount, supp.

Ry. Durango 215.

Montezuma George F. Houser clocale. Gaint - Lungel, slope, 50 fors - hope, barnel - 8-3, Housey s. pt.

Crested Batte Gunnson Coherado Coal & Iron Co., Pueblo, Colo., Elward J. Herwing prest. Thomas F. H. Craft's, seek and Husts, J. W. Stock, gen, ingl. Cop sits, Stockness of Crests a liette No. 1. Sonce, Secretaries style 134 color overs, amount ones. Man Learnt, sign.

#### COAL BITUMINOUS (CONTINUED)

	LOCATION OF MINE,
Kai	LWAYS, WATER ROUTES
A	ND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

TOWN AND COUNTY

"Mesa Shirley & Hinds. Cap. \$10,000. De Beque and Jenkins. Tunnel; hand (developing).

De Beque Ry. 215. Delta

Delta Rollins Bros. (local). Cap. \$3,000. Rollins. Tunnel; hand.

Rv. 215.

E. B. Wilson, Montrose, Colo. Cap. \$2,000. Delta. Tunnel, hand (developing).

Durango Ry. 215.

J. J. Winton & J. D. Roberts, Delta, Colo. Cap. \$20,000. Tunnel, 2,000 tons; horse, J. J. Winton, supt. La Plata Champion Coal Co. Benjamin Ritter, prest., M. J. McCloskey, seey.; Mr. Boyle, treas.; A. Shore, mgr. Cap. stk. \$300,000. Champion. Tunnel, steam (developing). Benjamin Ritter, supt.

San Juan Coal Co. J. E. Ward, prest., M. L. Peck, seey, and treas. Cap. stk. \$100,000. San Juan. Slope, 40,000 tons; gravity. John Kolz, supt.

San Juan Smelfing Co. Mine for own use, Ute Coal & Coke Co. H. J. Ross, prest.; L. C. Jakway, seey., treas, and mgr. Cap. 8tk, \$150,000. Coppinger. Tunnel, 20,000 tons, horse. J. A. Coppinger, supt.

Engle Ry. El Moro 215, 217.

Las Animas Colorado Coal & Iron Co., Pueblo, Colo. Edward J., Berwind, prest.; Thomas E. H. Curtis, seey, and treas.; E. M. Streck, gen. mgr. Cap. stk. \$10,000,000. El Moro No. t. Slope, 333,000 tons, steam; 250 coke ovens, 90,000 tons. Alex, Pollock, supt.

Err

Weld Boulder Valley coal Co. John McKissick, prest., J. M. Shrote, secy.; John G. McCartney, treas, and mgr. Cap. \$15,000. Boulder Valley. Shatt, 15,000 tons, steam.

North-Western Coal Mining Co., Denver, Colo. Chas. E. Quincy, prest.; W. H. Nicholson, seey.; Alfred J., Vivian, Ivas., and mgr. Cap. 8tk. \$100,000. Bonder Valley. Shaft, 305,000 tons, steam. Phelix

Forbes

Tey. 776.

The Umted Coal Co., Denver, Colo., 524 Ernest & Craumer Bldg. James Cannon ir., prest., C. L. Spencer, sery., J. J. Thomas, mgr. Cap. stk. \$1,000,000. Shaft, drift, steam. John Simpson, supt. Las Animas The Trinidad Fuel Co., Trinidad, Colo., Geo. M. Forbes, prest, and mgr.: James J. Bridge, seey, and freas. (3p. 81,000,000). Monarch. Tunnel, 120,000 tons; horse. Chas. 8, Wood, supt.

Ry, 215, 776. Golden. 15, 776.

Jefferson, J. B. & Win, Church, Denver, Colo., 819 Seventeenth st., Cap. \$10,000. Star., Shaft, 4,272 tons; steam. Benjamin Rowe, supt. Golden Cooperative Co., Cap. \$7,000. Cooperative. Shaft, 7,500 tons; steam, horse. Geo. II, Goldsworthy,

mgr, and supt. Golden Pressed & Fire Brick Co., Denver, Colo., 819 Seventeenth st. J. B. Church, prest., treas, and mgr.: Benjamin Rowe, seey. Cap. stk, 8500,000. Star. Shaft, 4,172 tons, steam. Daniel Williams, supt.

White Ash Coal Mining Co., E. E. Goodrich, prest, Geo, M. Buffer, seey.; W. N. Whitehead, treas., F. G. Buffer, mgr., Cap. stk. 890,000, Loveland, White Ash, Murphy., Shatt, 250,000 tons, steam. Evan Jones, supt.

Grand Junction Ry, 26, 215, 626,

Mesa, W. T. Carpenter. Cap. 8100,000. Book Clat. Tunnel, 10,000 tons, horse and gravity.

Biach Bros. (local). Little Grizzly. Shaft, 300 fons, horse,

Gray Creek - "Las Animas (P. O. Trinidad) Ry. [776] Gimnison

The Gray Creek Coal & Coking Co., Trundad, Colo. D. A. Chappell, prest, and mgr., 8, 8, Murphy, seey., W. B. Cummuelham, troas. Cap. 8tk, 8200,000. Gray Creek, Tunnel, steam, horse, 50coke ovens, Juo. Cameron, supt Jounnson Guinison Coal & Iron Co. W. street, prest, A. J. Reily, seey, and treas., C. T. Siles, higr. Cap. 8tk. 85,000,000, Castle Mountain. Tunnel, horse.

Ry, 215. Hastmes Ry. 26, 776.

Las Annuas Colorado Coke Co., Trinidad, Colo., 2014. Main St., A. H. Danforth, prest., D. A. Chappell, seey, and treas., John Cameron, mgt., Cap. 8tk, 8100,000. Coke ovens, 35,000 tons, 8team, horse, John Cameron.

Hie Victoria Coal Co., Trimdad, Colo., 201 E. Main St. Delos A. Chappell, prest, and mgr., Sanford S. Mittjilty, seey. W. B. Cummigham, treas. Cap. 8th, 84,000,000. Victor. Tunnel, 250,000 tons, steam, horse, lorocke overs, 3,0000 tons, John Cameron, supt.

Hebron Jarumer Rt. Dillon 215, 776, 80 Jarimer.

Park, Union Paeine Coul Co., Omaha, Neb., Ninth and Farmani sts., G. W. Megeath, gen. supt., Geo. L. Black, asst. supt. Cap. stk. 820,000,000. Como, Nos. 5 and 6. Slope, 47,792 fons; steam. Thomas Ramsay, supt.

King Ry Como 776.

Boulder Padfield & Hopkins, Cap. \$40,000, Gladstone, Shaft, 60,000 tons, steam, Wm, Padfield, supt, Flie United Coal Co., Denver, Colo., 524 Errest & Crammer Eldg., James Cannon jr., prest., C.L. Spencer, seey., J. J. Thomas, mgr. Cap. 8tk, \$1,000,000. Shart, drut. steam. John Sunpson, 8upt.

To 205

Huertano, W. H. Adamson, Cap. 85,000, Indian Creek, Tunnel, 5,000 tons, horse, E. Frankenbery, supt.

Aeme t o.al Maning Co., Denver, Colo, 6.31 Champa St. J., F., Andrews, prest., John Connell, seey., John Chamber, treas. Cap. stk. \$100,000. Aeme. Shaft, 70,000 tons: Steam..

A lay Coal Mining Co., Roulder, Colo. M. V. Johnson, prop. Cap. 850,000. Apax. Shatt, 20,000 tons. steam. Thomas Jones, supt.

The Citizens Coal & Coke Co., Denver, Colo. Thomas Trumbull, prest., Thomas E. Basset, seey. Shaft, acono tons steam. Win, Cawdrey, seey. J. P. Donley, treas. Cap. The Heefa Coal Minnig Co., J. H. Hood, prest, and mgr., Win, Cav stk, \$100,000. Heefa. Shaft, 36,000 tons, steam, J. Hood, supt.

The United Coal Co., Denver, Colo., 521 Ernest & Cranmer Bidg. James Cannon gr., prest., C. L. Spencer, seey., J. J. Thomas, mgr., Cap. 8tk, 81,000,000. Shaft, drift; steam. John Sunpson, supt.

Mariob By Elk Mountain 26,

Cumnison Pacific Coal & Coke Co., Denver, Colo, sog Roston Bldg. Orlando Metcalt, prest., Win, F. Reed, seey, and autum 26. treas. Cap. stk, st.000,000. Tunnel, electricity (developing).

#### COAL-BITUMINOUS-(CONTINUED)

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2:00 POUNDS, KIND OF POWER USED. COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.

COUNTY Tows AND Meeker Rio Blan Ry, New Castle 215.

Rio Blanco, F. W. Fairtield & Sons, Mecker, Colo., Peacock, Tunnel,

Morrison

Harry Golden, Cap. \$5,000. Meeker. Tunnel, 1,200 fons: horse and hand, Jefferson, B. Prince & Son., Mount Carbon., Slope, 18,000 tons, horse, B. Prince, supt.

Ry. Mt. Carbon 776.

New Castle Garfield Grand River Coal & Coke Co., Colorado Springs, Colo. J. B. Wheeler, prest., 8/8 Earle, seey., W. S. Cherry, v. prest, and geh. nigr. Cap. 8tk, 82,000,000. New Castle. Shaft, slope, tunnel, 150,000 tons, stem., P. Cotyell, supt. Ry. 26, 215.

Paonia. Ry, Delta 215.

Delta Paoma Coal Co. W. T. Hawkey, prest, T. C. Ward, seev., W. A. Clark, treas., Wesley Ault, mgr., Tunnel; horse (developing)

Picton Ry, 215, 776.

Huerrano The Colorado Fuel Co., Denver, Colo., 704 Boston Bldg., J. C. Osgood, prest. D. C. Bearman, seey. A. C. Cass, treas., J. A. Kebler, ingt. Cap. 8tk, 85,000,086. Photon No. 6, 8lope, 77,161 tons, steam, herse. Cass, treas., J. V. Keb Thomas Lawther, supt.

Platte Canon Ry. 776.

Jefferson, T. L. Morgan (local). Shaft

(P.O. Durango) Rv.215.

La Plata - Porter Coal Co., Denver, Colo., 894 Boston Eldg., J. A. Porter, prest., J. H. Pullen, socy, and treas., S. E. o. Ryzels. — Herr, mgr., Cap. 84k, 8500,000. Porter. Drutt, 65,000 tons, steam. Thomas Mason, supt. Dolores, Broughton & Derby, local . Pasadena, Tunnel, Locatons, horse and hand, J. Richards, sunt

RV, 628.

Onray, J. O. Gorman, Cap. 83,500. Tunnel: steam developing

Rolgway Ox. 215. Rouse Ex. 215, 776.

Huertano The Colorado Fuel Co., Denver, Colo., 764 Roston Eldg., J. C. Osgood, prest., D. C. Beannan, seey., A. C. Cass, treas., Jan A. Kebler, ingr., Cap. 8tk, 85,000,000 Rouse No. 3 Slope, 203,157 Ions Steam and Cass, treas., J. A. Kelder, ingr horse, W. C. Thompson, supt.

Santa Clara: Ry, 215, 7

Huertano Colorado Coal & Iron Co., Pueblo, Colo., Edward J., Rerwind, prest. Thos. F. II. Curtis, seey, and treas. E. M. Steck, gen. ingr. Cap. 840,000,000. Santa Clara. Slope, 80,000 tors. steam.

Ry Rawlins 776.

Routt Robert McIntosh Joeal Tunnel, Scitons hand

SOUTH

Las Annias | The Colorado Fuel Co., Denver, Colo., 761 Eoston Bldg. | J. C., Osgood, prest., D. C., Ecaman, seev. | A. U. Cass, Treas., J. A. Kelder, mgr. Cap., 348 S.,000,000. Soptis No., 4., Slope, 270,770 fons, stream, horse for color covers, 14,700 fons., W. J. Muttay, 8100

Tindate Ry. Radston 776.

Jefferson Denver Coal Co., Ed., Denver, Colo., 50 and 50; Boston Eddg., T. W. Tindall, chairman, A. B. Seel, seey., 756. Sand'i Newhouse, figt. (c) ap. stk. 850,000. Shaft, steam, developing., Jas., B. W.Her, supt.

Rv. 26, 215, 776.

Trimidad , Las Animas F. T. Butler Rowland, Tunnel, 5,000 tons horse

George Jettives. Bloom. Tunnel, 6,000 tons, horse The United Coal Co., Denver, Colo., 523 Friest & Cranner 1532. James Cannon ir., prest. C. I. Spencer serv., J. J. Thomas, mg.: Cap. 8tk, 81,000,000. Shatt, draft, steam. John Simpson, Supt.

Walsenburg 13, 215,

Huertano Colorado Coal & Iron Co., Pueblo, Colo. Edward J. Berwind, prest. Thos. I. H. Cuttis, seey, and Ireas, E. W. Steck, zen, mgt. Cap. xls. 840,000,000. Camerton, slope, 20,000 fons. Robinson, Slope, 120,000 fons. Walsen, slope, 60,000 fons, steam. Peter Cameron, supr.

Withaushure Ry. Plorence 215.

Fremont The United Coal Co., Denver, Colo., 52 Ernest & Cranmer Eblg., James Cannon jr., prest., C. L. Spencer, e215. Seey. J. J. Thomas, mgr., Cap. 8th, 81,000,000. Shatt, dr.tt. steam., John Sunpson, supt.

#### COPPER

LOCATION OF MINE RAILWAYS, WATER ROLLES AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OPERCY, NAMES OF OPERCESS CAPITAL STOCK NAME OF MINE, KIND OF OUE, KIND OF MINE, ANNUAL OF HUTTIN TORS OF 2000 FOUNDS, KIND OF TOWER USED, I UNIVERSITE, I TO, AND NAME OF MINE SUPERINTERIORS.

15.0 Lows

Gumison, J. F. Grant, Denver, Colo., Shatt, 9,000 fons, Shatt,

Ry. 215. Ry, Belleview 215.

Commison

Chaffee Sedaha Copper Co., Denver, Colo, vor. Lai met and Seventeenth sts. E. R. Finetson, posst. J. W. 25. —— O Comot, seey, and from Cap. 8tk, 850,000. Sedaha Dunnel, 4000 fons. Land

#### GOLD AND SILVER

LOCATION OF MINE. RAILWAYS, WALER ROLERS AND SHIPPING POINT.

NAME OF COMEANA OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF DEFICES, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OFFICE IN TORSOFT 2004 OFNIS, KIND OF POWER USED, STAME MILES, I DO, AND NAME OF MINE SUPERINTENDENT

Towns 480 COLSIA

Sagmache t P. Edmonds. North Star, gold, silver, lead. Shatt retractory, hand developing

Ry Round Hill 215.

Mainton Mining Co., Poncho Springs, Colo, Frank M. Barnes, ingr., Cap. 800,000. Mainton, gold, silver lead, Tunnel, tree, steam (developing) F. M. Barnes, supt.

Lake Abesote ance Lake
 P. O. Chmax (Ry. 20), 776

Amos Slater, Sahda, Colo. Cap. 85,000. Little Goldie Group, gold, silver, lead. Shaff, tunnel. tree. hans Aheante Muning Co., Climax, Colo. Alicante, gold, silver, lead. Shart, tunnet, Wortons, 10 Protony

LOCATION OF MINE, RAILWAYS, WATER KOUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2,00 POUNDS, KIND OF DESTRUCTION, CARNES OF THE STOCK OF T
Town And Co	OUNTY.	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
Alicante (Continued.)	Lake	Joe Fischer & John Buffehr, Leadville, Colo., 3143 Sixth st. Cap. \$20,000. Ground Hog, gold, silver, lead Shaft, funnel, 1,000 tons; tree; hand. Joe Fischer, supt.
		Gold Field Mining Co., Leadville, Colo. Felix Vogel, prest. Gold Field, gold, silver, lead. 4,000 tons; retractory, steam.
		F. & J. Shelton & J. Johnson, Leadville, Colo., 805 W. Ehn St. T. Shelton, prest.; J. Shelton, seey, and treas.; J. Johnson, mgr. and supt. Hamilton Nos.) and 2, gold, silver, lead. Tunnel, @tons; refractory, free; hand.
	**	Walter Scott Mining & Milling Co., Colorado Springs, Colo., 25 Hageman Block. M. L. Chapman, prest., A. E. Carllon, Seey., A. B. Hockman, treast, J. H. McMasters, ngr. Cap. stk. \$500,000. Walter Scott. gold. Shalt, 5,000 froms, free; steem, 20 stamps. R. H. Milhers, supt.
14	**	G. C. Wortman, Climax, Colo. John Reed, gold, silver, lead. Shaft: refractory: horse, electricity.
Alma Ry, London 776,	Park	Green Mountain Mining Co., Chicago, Ill., Unity Bidg. John L. Beveridge, prest., Jos. R. Pathiam, seey. H. N. Hibbard, treas.; R. M. Whipple, mgr. Cap. stk. \$1,000,000. Gold. Shaft 'developing', Wm. H. Grose, supt.
		Hall & Brank. G. W. Brank, prest, and mgr., John T. Brownlow, seey.; Assyria Hale, treas. Cap. stk. \$1,000,000. Dolly Varden, silver, gold. Shaft, tunnel, s00 tons; refractory; steam; hand.
	1.4	The London Mining & Milling Co. Thomas Kiddle, mgr. and supt. London, Paris, Hard to Beat, and others, gold, silver, lead. Tunnel, 15,000 tons, free and retractory; steam; 20 stamps.
	**	Mascotte Gold Mining Co., Denver, Colo., No. 505 Mining Evehange Bldg., W. F. Kendrick, prest.; A. J. King, seev., P. M. Kendrick, treas., James Moynalian, ingr., Cap. 8th, 82,00,000. 10 milies, gold and silver. Shafts and tunnels, tree and refractory, electracity and compressed air (developing).
		James Moynahan, Phillips, gold, silver. Shaft; hand.
**		David Murphy. Baltic, gold, silver. Retractory, horse; 400 lons.
		The Orphan Boy Hill Cons, Mining Co., James Moynahan, prest, and mgr.: Fremont Woodruft, seev., John M. Walker, Irens. Cap. ski, Shaotana Boy, Senate, Evening Star, gold, sliver, Tunnel, shaft, home tons; retractory, steam. James Munhan, supt.
**		Phillips Minning Co., St. Louis, Mo., 446 N. Second St. Asine M. Mason, prest; George W. Enswell, Seey., H. H. Merrick, treas., F. W. Baselman, mgr. Cap stk. \$200,000, Phillips, gold, silver, Tunnel, 14,600 tons, retractory; steam, 35 stamps. J. H. Macdonald, supt.
**	- 11	Francis H. Weeks. Moose, silver. Tunnel; refractory. John M. Fritz, supt. and mgr.
		The Woodmass of Alston Mining Co. Altred H. Wilson, prest., Randall W. Wilson, vpres, and mgr. Cap. stk. \$500,000. Great West, gold, silver, lead. Shaft, tunnel; free; horse, A. H. Wilson, supt.
Ry, Jimtown 20		H. Crawtord, mgr. Cap. 8tk. \$1,000,000. Park Regent, silver, lead. Steam. Eli Barrett, supt.
Ry. Aspen 26, 215	d2m. c	Fitzpatrick & O'Hagan. Hendricks, silver, lead, copper. Tunnel; refractory; hand. J. F. Fitzpatrick, supt.
		W. P. Green & J. Crowther. Elmita, silver, copper. Shaft, tunnel. W. P. Green, supt.
o o	**	Calvin Miller. Cap. \$50,000. Rose, gold, silver. Shaft, 50 tons; hand (developing).
		The Panorama Mining & Prospecting Co. J. M. Lealty, prest., Fanny Fogg, secy.; J. J. Lealty, treas., W. H. Fogg, mgr. Panorama, silver, lead. Tunnel, retractory; hand. J. M. Lealty, supt.
A spen Ry, 26, 215,	Pitkin	Jerome R. Wheeler, vprest., Louis H. Jackson, secy, and treas. Cap. stk. \$2,000,000. Alta Argent, silver. Shaft: refractory, steam and electricity. W. McMillan, supt.
	**	The Argentinis-Juniata Mining Co., Colorado Springs, Colo. J. J. Hagerman, prest., H. P. Lillibridge, seey, and treas.; R. J. Bolles, vprest., C. E. Palmer, mgr. Silver (developing).
	**	The Aspen Confact Mining Co., Colorado Springs, Colo. J. J. Hagerman, prest., H. P. Lillibridge, seey, and treas., D. M. Hyman, vpres., W. E. Newberry, supt. Silver (developing).
		Aspen Mining Co., Aspen, silver. Shaft, 40,000 tons, retractory; steam, electricity. Henry Paul, supt.
	.,	Aspen Maning & Smelling Co., New York City, 54 Wall St., J. B. Wherler, prest., J. L. Tilfon, seey., Samuel S, Erle, treas., Fred G, Baikley, mgr. Cap. 8tk, \$2,000,000. Silver and lead. Shafts and tim- nels, g-lout tons, electricity.
	**	Best Friend Mining Co., John H. Greener, prest., P. R. Mackin, seey, and treas. Best Friend, Sam-Houston, gold, silver. Shaft, Lowotons; refractory, steam.
	*1	The Br-Metallie Mining & Milling Co., Colorado Springs, Colo. J. J. Hagerman, prest., H. P. Lillibridge, seey, and treas., D. M. Hyman, vprest., W. E. Newberry, supt. Silver (developing).
	• •	Della S. Consolidated Meding Co. David C. Brown, prest., Theo. E. Little, seey., H. P. Cowenhoven, trens., D. W. Brunton, mgr. Cap. 8th, \$1,000,000. Silver. Shart, funnel; retractory, steam, electricity. Samuel Leonard, 800.
	**	Charles F, Drake Mining Co., Denver, Colo., Room 10 Hughes Bidg. Charles F, Drake, prest., S, W., Keene, V-prest., W. R. Roof, seey. Cap. sik., \$1,000,000. Surprise, silver, lead. Tunnel, shaft, free, electricity.
		F. C. Ewing & Co. Lena, silver. Shatt, tunnel, retractory.
		Highland Mining & Tunnel Co., 300 West Hopkins st. Alois Thomain, prest.; John. B. Whitehead, Seey., Charles Thomain, treas., James W. Magee, mir., and supt. Cap. 84k, \$1,000,000. Wilton Belle, No. 2, Highland View, gold, silver, copper. Tunnel; retractory.
		Italian Mountain Mining Co. Frank Stewart, prest, and nigr., C. F. Seroggs, seey., E. C. Stimson, treas., Cap. 8tk. \$2,000,000. Homestake, silver, lead. Shatt, free, horse. D. J. Stewart jr., supt.
	- 1	The Mother Gibson Consolidated Mining & Milling Co., Colorado Springs, Colo. J. J. Hagerman, prest.

The Mollie Gibson Consolidated Mining & Milling Co., Colorado Springs, Colo. [J,J], Hagerman, prest., H. P. Lillibridge, seey, and treas; R. J. Bolles, v.-prest.; C. E. Palmer, mgr. Mollie Gibson, silver.

# BRITISH COLUMBIA, THE MINING DIRECTORY—MINES.

LEGISLATIVE ASSEMBLY,

# GOLD AND SILVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ONE KIND OF MOVE AND AMP OF MINE CEPTERINITATIONS. KIND OF POWER USED, NAME MILLS, ETC., AND NAME OF MINE SUPERINITATIONS.
TOWN AND COUNTY.	OF TOWER CSED, STAMP MILLS, ETC., AND NAME OF MINE SCIENTIFIPENT.
Aspen	New York Tunnel Mining & Transportation Co., Chicago, Ill., 4 Sherman St. Frank Drake, prest.; W. L. Wright, seey.; Gilbert Montagne, treas. Cap. 8th, 82,760,000. New York, 80ver. Tunnel: steam.
•	Ophir Belle Mining Co., Room 12 Aspen Block, J. E. Freeman, prest, and ingr., F. A. Shepard, seey., W. T. Miltonberger, treas. Cap. stk. \$1,000,00. Ophir Bell Group, silver. Tunnel developing). 8, F. Hunt, supt.
	The Roaring Fork Mining Co. Fred G. Bulkley, prest, and mgr.; W. P. Smith, seey., A. P. Mackey, treas. Cap. 8tk. \$3,000,000. silver. Shaft, draft, steam (developing).
**	Sierra La Plata Mining Co., 100 Mull St., cor. Main. H. B. Gillespie, prest., Charles F. Saunders, seey., treas, and nigr. Cap. 8tk. 81,000,000. Woody Group, silver. "Developing."
**	The Tendertoot Consolidated Mining Co., W. W. Cooley, prest., Henry Clark, seey, and treas. Cap. 8tk. 82,000,000., Tendertoot, Lillian Gray and others, silver. Tunnel edeveloping.
	Woody Creek Mining, Co., F. C. Lspenham, prest., A. Thomas, seey, and treas.; J. J. Yeckel, mgr. and supt. Cap. stk. 81,000,000. Leadville, silver, lead. Shatt, tunnel, refractory, steam.
Bald Mountain Gupun Ry, Black Hawk 776.	treas, C. E. Stevens, mgr. and supt. Cap. 8tk, \$200,000. Ivanhoe, Rowena, Rebecca, gold, lead, Shaft, 3,200 tons, free, retractory; steam.
	The San Juan Muung & Milling Co., Denver, Colo., Room 36 Masonic Temple. A. J. Severance, prest. Cap. stk. \$1,000,000. San Juan, gold, silver. Shaft, 3,000 tons, steam. W. A. Merriell, supt.
Ballarat , Boulder (P. O. Jamestown) By Boulder 776.	Houghton, seey, and treas. Cap.stk 8,00,000. Ballarat Smuggler, gold, silver. Shaft, 500 tons, re-tractory; steam, 20 stamps. George M. Freeman, supt.
Barry . El Paso Ry, Florissant 26 (18 miles).	Neal, seey., H. E. Bassett, treas , L. Adamson, mgr, and supt. Cap, stk, 81,000,000. Lattle Hückle- Berry, White Elephant and others, gold. Shaft, tunnel, open, 8,000 tons. retractory, horse.
	Anaconda Muling & Milling Co., Benyer, Colo., 156 Mynkoop st., C. T., Harkinson, prest, H. W., Barry, seey, and mgr., S. L., Mtman, trees. (Ap. 848, 81, 25,000. Excelstor, Great Vein, Anaconda and others, Open pit, Shatt, tunnel, 15,000 tons, refractory, free, electricity, steam, 15 stamps. F. A. Keynolds, sipt.
**	Bline Bell Mining, Milling A. Prospecting Co., Colorado Springs, Colo, 112 Last Phys. Penk av. Joseph F. Handbury, prest and mar., John S. Lentz, seey., Leorice W. Catti, Least. Cap. Stoynov. Blin. Bell, Blancke, R. I. Lee and Hardpan, gold, silver, copper, lend. Shall and funnel, retractory, free, horse. Robert W. Lean, Supt.
	The Gold Eagle Mining & Milling Co., Colerado Springs, Colo. Damel Gregg, prest., W. H. Fairall, seey., George Fester, freas. Cap. 8tk, 8t200000, Golden Lugle, gold. Tunnel Tree, hand, E. H. Velson, supl.
	Gold Standard Tunnel & Wining Co. Flora Smith, prest. F. G. Bettis, seey, and treas., H. W. Barry, mgr., Cap, 8tk, \$100,000, Gold Standard, gold. Tunnel, electricity. Ed. Gimlet, supt.
	Mountain Tiger Mining Co., Samuel Gale, prest., F. D. Taylor, seev. Fred. Williams, treas., J. C. Me-Kenna, mgr., Cap. 810,000. Mountain Figer, gold. Tunnels. hand oleveloping.
	Work Mining & Milling Co., Colorado Springs, Colo., Malland Block., James Eeshene, prest 41 E. Bassett, seey., H. & Mills, treas. J. J. Reed, mgr. Cap. (83, 84, 20,000, Poorman, Morning Glory, Ed. R. and others, gold, silver. Shatt, timel retractory, hand, J Seews, supt.
Beaver Park El Paso (P. O. Colorado Sprgs, Ry, Florissant 26,	Cut Diamond Mining & Milling Co., Colorado Springs, Colo. A. H. Swarettent, prest. G. H. Badfish, seey, supt. and nagr., L. 8, Slatora, treas. Cap. 8tk, 84,000,000. Gold. Shaft, funnel, tree. Steam.
Pre-Arkins 776	Palmer, Hurt & Co. (Cap. 850,000). Peacock, White Quail, gold, silver. Shatt (retractory), hand. James A. Downar, supt.
Paedell Saguache P. O. and Ry. Del Norte 215.	The Grand View, Mining (16), Del Norte, Colo, Win, H. Cochtain, prest, C., W. Fhomas, seev., John H. Shaw, treas,; I. R. McLeod, mgt, and supt. Cap. 8tk. (Socioco: Grand View, silver, Lunnel Tree, hand.)
Black Hawk Gilpin Ry, 776.	(The Bates Hunter Mining Co., Denver, Colo., Mining Exchange Bldg. S. V. Newell, prest., G. H. Batchelor, seeg., W. R. Rathyon, treas., W. M. McMeechen, nigr. Cap. 8tk, 84,000,000. Gold. Shart, treesteam.
	Belmont Mining Co. Henry Kreger, prest., Phillip Rolling, seey, and treas. Win Mitcheil, mgr., Cap., stock, \$25,000. Chemong, gold, silver, copper., Shaff, sactors, free, retractory, steam.
	Fisk Mining & Milling Co., Denver, Colo., Room 3 Bank Bidg. (F. C. Came, prest). D. E. Chase, seey., ingraind supt., L. II. Stockbridge, treas. Cap. 8tk, 8250,000. Fisk, 20dd, silver. Shatt, retractory, tree, steam.
	<ul> <li>Free American Gold Mining Co., Denver, Colo., 355 Club Bldg. M. A. Downing, prest., S. H. Colb, seey, and freas., M. L. Cov, mgr, and supt. Cap. 8th, 850,000. Prec. American, gold. Shaft, free, steam.</li> </ul>
	Little Mande Gold Mining Co., Colorado Springs, Colo. L. Ball, prest and negr. C. P. Wikes, v. prest R. B. Taylor, seey., F. H. Hall, treas. Cap. 8tk, 842500, Lattle Wande, gold. Tunnel, tree hand (developing).
	James A. Perley & Son. Cap. \$50,000. Black Jack, silver, gold, lead, copper. Shart, 75 tons, retractory, steam,
	Reed & Co., Cap. 81k, \$200,000. Gregory Bobtail, gold. Shatt, slope, 56,000 fors. steam, 125 stamps, J. W., Rostwick, 8404.
ti D	The Vosemite Hydraulic Mining Co., Denver, Colo., sts Ernest & Cranmet Bldg., W. B., Fefers, prest, and mgr., C. M., Berry, seev., M. P., Dalton, Crais., Cap., 8tk, 8250,000, Vosemite, gold., Placer, hydraulic, W. B. Teters, supt.
Bonanza, Saginach Ry, Villa Grove 21 (16 miles).	<ul> <li>Arindine Muning Co., Denver, Colo., Hugind 4D Roston Ridg, A. W. Powell, press. R. H. Goddard, ee v.,</li> <li>J. R. Pederson, Urens, R. W. Correll, mar., and supt. Lop. 8th Storoco. Softlems, colorado and Excelsior, silver and copper. Shatts and Junnel, one tons, free and retractory, steam will.</li> </ul>

Baldwin et al. Cap. \$100,000. Gold, silver, copper. Tunnel, 50tons., hand. J. D. Baldwin, supt.

LOCATION OF MINL.
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, AND OF ORE BAND OF MINE, ANNUAL OUTPUT IN TOSS OF 2,000 POOUNDS, KIND OF POWER USERI, NAME MILLS, ETC., AND NAME OF MINE SEPERINTENDENT.

AND SHIPPE	NG POINT.	of Power Used, Stamp Mills, Etc., and Name of Mine Superintendent.
Town ANI	COUNTY	
Bonanza (Contin	Saguache ued.)	Bonanza Mining Co., Springfield, Ohio, Kelly Arcade. O. S. Kelly, prest., seey, and treas. Irwing Howbert, mgr. Cap. sik. \$200,000. Bonanza, gold, silver, lead. Shaft, Loon tons; refractory; horse. J. D. Baldwin, supt.
		J. K. Brewster, Pueblo, Colo. Eagle, silver, lead. Shaft; refractory; steam (developing).
	**	Hon, Charles Foster, Washington, D. C. Payson, gold, silver, lead. Shaft, steam; refractory. R. W. Correll, supt.
**	**	D. J. Melntosh. Superior, silver, lead. Shaft; tree; refractory; horse (developing).
**	**	Samuel F. Rathyon, Denver, Colo. Exchequer, gold, silver, copper. Shaft; tunnel; refractory; band, C. H. Leavitt, supt.
**		L. C. Valentine. Occidental, silver, lead. Slope; horse (developing).
**	**	Eli E. Weddington. Samt Louis, gold, silver, lead. Shaft, 50 tons, refractory; hand.
**		David G. Weems, Baltimore, Md., 6 South St. Michigan, Boss Mammoth, Empress and Josephine, silver, lead, copper. Tunnel, shatt; refractory; hand (developing).
Boulder Ry, 776.	Boulder	Backeye Mining & Milling Co. E. S. Teagarden, prest., J. A. Teagarden, seey, and treas. Cap. 8tk. \$850, 000. Backeye, gold. Shatt. free and refractory: horse (developing).
**		C. G. Buckingham. Magnotia, gold. Shaft, tunnel; tetractory,
		Rock Island Gold Mining Co., Rock Island, Ill., cor. Fifth av. and Eighteenth 8t. Gustay Stengel, prest.; Whr. B. Ferguson, seey.; C. D. Gordon, tress.; H. C. Cleaveland, angr. and supt. Cap. 8tk. 81,000,000. Rock Island, gold. Shatt, tunnel; refractory, steam; 100 stamps.
	**	Sugar Loat Mining & Milling Co., Denver, Colo., 1627 Champa st., P. O. Boy 2805. Frank P. Kellogg, prest. William H. Ferson, seey, and trans.; Abraham Clawson, mgr. and supt. Cap. 8th, 80,000. R. B. Potter and Walker Lodes, gold. Shaffs and tunnels; free, steam; 20 stamps obeyeloping).
-		41, C. Thompson, Eighteenth st. Rebecca, Tellurium, gold and silver. Shaft (developing); refractory;
(5 mil	(*5 ).	steam. G. R. Williamson, Yellow Pine Group, silver. Tunnel, 417 tons; retractory. G. A. Carlston, supt.
Box Elder Ry, Grami	Laruner te Canon, 26,	Rawlings & Parkhurst, L. A. Rawlings, prest.; M. B. Rawlings, seey.; G. S. Parkhurst, treas. Peeler Lode, gold, silver, lead. Tunnel; free (developing).
215. Breckenridge Ry, 776.	Summit	Dunkin Maning Co., Leadydle, Colo., 115 E. Eighteeuth st. Woodward Emery, prest; William Faxon ir., seey., James C. Elms, treas. Warren F. Page, mgr. Cap. stk, \$5,000,060. Gold, silver, lead. Shaft, tunnel, 12,000 fors; Fefractory, Scann. J. Q. Thomas, supt.
••		Extension Muring & Milling Co., Denver, Colo., 505 Mining Exchange Bidg. W. R. Head, prest, A. J. King, seey., Henry M. Fair, trenx, Geo. W. Fair, ngr. Cap. 8tk, \$500,000. Extension, gold. Tunnel, 4,000 tons, free, steam, 10 stamps. H. M. Fair, supt.
	**	Glen Mohawk Mining Co., St. Louis, Mo., 401 Market st. O. 15, Garrison, prest.; J. D. Foster, seey, and trens. Cap. stk. \$250,000. May Flower, silver. Tunnel, refractory, water; steam; 20 stamps.
		A. G. Hoopes. Orthodox Group, gold, silver, lead. Shatt, fininel, so tons, refractory.
		The Jessie Gold Mining & Milling Co., Chicago, Ill., 201 Lake st. R. S. Reynolds, prest.; W. L. Gray, seey, and trens.; W. L. Wilson, mgr, and supt. Cap. stk. \$400,000. Gold, silver. Tunnel; tree ole-veloping.
		Juniata Mining & Milling Co., Denver, Colo. Geo, A. Shapleigh, prest, and treas.; Geo, S. Hayes, sery, and mgr. Cap. 8tk. \$250,000. Juniata Group, gold. silver, lead. Shafts, drift, free, steam; mill.
		(developing). J. W. Kauffman, St. Louis, Mo., Laclede Bidg. Minnie, silver, lead. Shaft, tunnel, 3,000 tons, Steam. Thus, McKenna, supt.
	**	The Oro Mining & Milling Co., H. H. Loomis, prest., J. H. Thompson, seey, and treas. Cap. 8tk, \$500,000. Oro, Sann, Chief, Diamond Duck, gold, silver, lead. Shaft, tunnel; refractory; Steam; mill. J. H. Thompson, supf.
	**	The Onray Mining & Milling Co., Thos. D. Price, prest, and treas.; Edward Price, seey. Cap. 8tk. \$500,000. Corray Group, silver. Tunnel, shaft, refractory, steam; mill, concentrator. Jacob Conrad, 8upt.
		Revere Mining Co., St. Johnsbury, VI. A. T. Spencer, prest.; F. W. Calden, sery.; A. C. Allen, treas.; Thos. McKenna, ingr. Cap. stk. \$500,000. Revere, gold, silver, lead. Shaft, tunnel, 35,000 tons, steam developing.)
		Tecumseh Mining & Milling Co., Denver, Colo., 766 Ernest & Cranmer Block. Geo. A. Shapleigh, prest, and treas; Geo. S. Hayes, seey., mgr. and supt. Cap. 8tk. \$250,000. Tecumseh, gold, silver, lead. Tunnet (developing).
		Treasure Mining & Milling Co., Pittsburg, Ph., 697 Furgerson Bldg., James G. Corcoran, prest., W. E. Geherson, 8ery., Abrliew Johnson, 1998. C. K. Olhara, mgr., Cap. 8tk, \$50,000. Treasure, silver. Tunnel. shaft, 780 tons, free, 8team., Carl Johnson, 8mp.
Baiena Vista Ry. 26, 217	.Chartee	E. Block & Co. Martha Bonney, Loftic, gold, silver, copper, lead. Tunnel; refractory, hand (developing), 1, 11, Wenner, supt.
		Edward T, Bradford & Geo, H. Parsons, Colorado Springs, Colo., Pike's Peak av. Salvator and Princeton, silver and lead. Shatt and tunnel, retractory, horse (developing). Charles M. Sharpe, supt.
		Cora Belle Mining Co. Cora Belle, gold, silver, lead. Tunnel, refractory, hand; null. Asa Fox, supt.
		The Dandy Silver Mining Co. E. F. Williams, prest., R. H. Clifford, seey., C. M. Sharpe, mgr. and supt. Cap. stk. 8500,050. Dandy, Encyclopedia, silver. Tunnel: refractory, hand (developing).
		The Frederia Consolidated Mining Co. R. S. Appel, prest., D. R. Ney, seey, and treas., R. T. Schläfpig, ingr., and supt. Cap. 8tk, \$900,000. Fredonia, lead, gold, silver. Tunnel, shatt; free; hand (developing).
		Ph. Groves. Atlantic and Longtellow, gold, silver, lead, copper. Tunnel: refractory; hand. Emerson-Gee, supl.
		The Highland Munne Co. C. M. Sharpe, prest., R. T. Schlafpig, seev., Cap. stk, \$300,000. Highland.

The Highland Mining Co. C. M. Sharpe, prest., R. T. Schlafpig, seey. Cap. stk. \$300,000. Highland, Grambian, silver, lead. Tunnel, retractory, hand. C. M. Sharpe, supt.

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY. Town

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE. KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Buena Vista (Continue)		The Hortense Mining Co. Hortense, silver. Tunnel, shatt, retractory, hand. Eugene F. Teats, supt.
**	•	C. F. Landes & Co. Mt. Carmel, gold, silver, lead, copper. Tunnel, shaft, retractory, hand (developing). Con. F. Landes, supt.
••		C. A. Morse, Lizzie M., Mohawk, gold, silver. Tunnel: retractory, hand adeveloping).
		The Mount Princeton Tunnel Co. H. E. Dean, prest, J. Quincy Hunsicker, seey and treas., C. M. Sharpe, mgr. and snpt. Cap. 8tk, \$100,000. Wild Irish Boy, silver, lead. Tunnel, retractory, hand developing.
**		The Salvator Mining Co. Edw. T. Bradford, mgr. Salvator, silver, lead. Tunnel, shatt, tetractory, hand, C. M. Sharpe, supt.
Caribon Ry, Boulder,		The Poorman Silver Mines of Colorado, Ltd., Glasgow, Scotland, 163 W. George St., Leonard Gow, prest.; R. A. Murray, see, Cap. 8th, 85anou, Poorman Group, silver, Shart, deep, 1,80ctons, refractory, steam, mill. Neit D Wekenzie, supt.
Carnero ,2 P. O. and Ry Norte, 215.	Saguache , Del	Grand View Mining, Milling & Development Co., Del Norte, Colo, W. H. Cochran, prest., Charles W., Thomas, seev., John H. Shaw, Freax, Isaac A. Melceol, mgr, and supt. (14p. 84k, 8500000, Grand-View Lode, Mountain View Lode, gold, Silver Tunnel, tree developing).
Carson Ry. Lake City		The Carson Muning Co., Denter, Colo., 26, Mining Evelange Eldg. H. S. Hubbard, prest. W. Coleman, seey., W. R. Dungan, Press., J. S. Chapman, nugr. and supt. Cap. 8tk, 84,000,00. Big Indian, gold, silver, Shart, Immel, hand, steam.
**		Cresco Mining Co., Lake City, Colo, T. H. Wigglesworth, prest., John T. Heard, seey., A. Snedaker, mgr., Cresco, gold, silver. Tunnel, refractory. G. W. Crowe, supt.
		Geo, HI Mining, Willing & Smelting Co., St. Lonis, Wo. A. T. Petry, prest. A. A. Hunziker, seeg., J. N. Hull, treas. G. W. Cory, ngr. and supf. Cap. sik, 850000. Geo. III. Anna, Hattie, silver, Tunnel, for long, Inaul.
Central City Ry, 776.	Gilpin	Argyle Gold Mining Co., Chiengo, Ill., 46 et hamber of Commerce - Perey C. Hamulton, prest, and Arcas, Win, Phelps, seey. Henry P. Lowe, may, and supt. Cap. 846, 84,00000, Argyle, gold. Shaft, 12000 fors, free steam, 56 staings.
**		Fisk Mining & Milling Co., F. C. Carne, prest., D. F. Chase, seey, and mgr., L. H. Stockbridge, freas- Cap, 84k, 8250,000. Tisk, gold. Shatt, retractory, steam.
		Gettysburg Mining Co., Denvet, Colo. W. A. Merean, prest., N. O. Vasburgh, seey, and treas. J. B. Hater, nigr. and supt. Cap. stk. 8,000,000. Gettysburg, gold, silver. Shaft, 6,000 tons, free, steam.
		The tolpin Franklin Gold Mining Co., Denver, Colo., Lrnest & Cranmer Block. John P. Olympius, prest., Win A. Moore, seev. May Lact, treas., A. J. Smith, mgt., and supt. Cap. 8tk. 850,000. Franklin, Lors, Glyde, gold. Shitt, 1rec, flower.
	÷	The Goleonda Mining & Willing Co., Win, J. Thomas, prest, C. L. Street, seev., treas, and mgr. Cap., sik, 8000,00. Little Lalla, Little Wary, gold. Tunnel tree steam to stamps developing. C. E. Street, supt.
-8	**	Gold Rock Manng & Milling Co., Denyer, Colo., Boom's Labot, Block. John Denson, prest., G. Kronse, seey and treas. Cap. 8tk, Sonioo. Springdale, gold, silver, copper. Shaft, retractory, steam. J. Ben Lewis, supl.
	**	The Gregory Consolulated Muning Co., Denver, Colo., for Maning Lychange Ridg., Joseph B. Hafer, prest, and mgr. C. L. Schmidt, eecy., Lonis Wagner, tens. Cap. 8th, 850,000. Cregory Second, gold, silver. Immel, shaft, 50000 fors, retractory, horse mill, Joseph B. Hater supt
		Gee, W. Hill. Banta, silver, gold. Shatt, dritt, retractory, steam,
	**	The Jupiter Belmont Mining Co., Denver, Colo., 220 Secreticenth St. A. A. Bowhay, prest. David Keith, vaprest. Chas, A. Johnson, seey., A. P. Frimerty, treas. Chas, M. Shaw, mgt. and supt. Cap. 8tk. pd., up \$50000. Jupiter, St. Cair and Belmont, gold. Shatt., tree. Scan.
		Geo, W. Mabie. National, gold, silver. Shaft, 6,000 tons, tree, steam,
	**	New California Co., Lid., London, Fing. Rhomfield Horse, London Wall. H. L. Walker, prest., W. H. Rowe, seey, and treas. Alfred Rickard, mgr. and supt. Cap. 8tk, 8800000 (California, gold, salver Shaff, Injunctions, Press Stamps.)
	**	The Pewathe Mining Co., Conneil Blufts, Iowa. Tewis Hammer, prest. Hon. Geo. 1. Wright, sery. and treas., John H. Kemp, mgr. and supt. Pewathe, gold, silver. Shatt. retractory, steam.
		The Smaloga & Cyclops Gold and Silver Consolidated Mining Co., Joseph II, Berry, prest, W. G., Smith, seey., John Best, frems, mer, and supt. Cap. 848–84, 200800. Smaloga, Cyclops, gold, silver Shaff, 5400 tons, retractory, steam,
	**	Spur Daisy Maning Co., Denver, Colo., 3ai Mack Block. L. W. Tatum, prest., Irvar J. Cart, seev., and treas., V. A. Maedonald, mar. (e.g. stk. 8500000 8590), Daisy, Proc. 8500, Mondon, Pittle Cheange, gold, where Jean, copper, Sharl, Zotton, Gree, retractory, steam, horse. (Ennel Manaya, supt.)
	**	The Sutton Mining & Milling Co., Denver, Colo., Mining Txehange Eldz, J., W. Nichols, prest. E. W. Cokell, seey., W. B., Bool, trens, and mgr. Cop., 8th., 850,000. Awa Adams, Notaway, Warper, gold-silver. Shard, druf, refraedory, Steam (developing). John B. Sutton, supp.

Lake, G. C. Wortman, John Reed gold, silver, lend. Shaft, 5000 tons, terractory, electricity, Chingax Ry. Alicante 776.

Como Park Lelon Penbody, Penbody, gold, Placer, hand Ry. 776. Peabody & Foot, City of Hamilton, gold. Tunnel, toctons, tree, steam to stamps. Henry Loot, supt

J. M. Link, Henry Foot, mgr., Fareka, Ne Plus Ultra, Kentucky, gold 1,200 tons, tree, steam, 40 stamps Oliver & Martin. Mineral Ranch, gold. Tunnel, slope, 200 tons, free, wafer, 40 stamps

Reed & Jarvis. Lena, gold, silver. Tunnel, free, hand, to stamps. D. R. Jarvis, supt.

Boulder C. G. Buckingham, Boulder, Colo. McDermott, Occidental, gold. Shatt, tannel Arce developing . f opper Rock Ry, 776,

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE,

RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL ADDRESS OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, EIND OF ORE, KIND OF MRE, ANNIA CUTPET IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINLEMENT.
Town And	COUNTY.	OF TOWER CRED, STAMP MILLS, LIC., AND NAME OF MINE SUPERINTENDENT.
Copper Rock	Boulder	Copper Rock Gold Mining Co., Denver, Colo., cor. Seventeenth and Champa sts., W. W. Booth, prest.; Dr. F. H. Lay, seeg.; J. K. Carlston, mgr. and supt. Cap. stk. \$100,000. Gold. Tunnel; free; 15 stamps.
**	**	Denver, K. Copper, Rock Gold Minning Co., Denver, Colo., 1226 Seventeenth st., Win, K. Burchinell, prest.; Dr. F. H. Lay, seey., Albert Lewin, treas; A. B. (Gloson, ngr. and supt. Cap. 8tk, \$1,000,000. Lucky, Locust, Lucy and others, gold. Shafts and tunnels; free edeveloping.
	**	Gold Dust Mining & Milling Co., Denver Colo., 647 Mining Exchange Bidg. L. D. Longhi, prest, and treas, i R. F. Copes, seegy; W. A. Hegel, mgr. Cap. 848, \$500,000. Mand S., Gold Dust, Medicine Man, gold, Shaft, tunnel, free; no stamps. W. J. Hegel, supt.
	**	Orphan Boy Mining & Milling Co., Denver, Colo., 643 Mining Exchange Bldg. Wm, Wise, prest, and treas, X. C. Merrall, seey, and mgr. Cap. stk. 81,000,000, Orphan Boy, Kaiser Wilhelm, Emperor, gold. Tunnel 2,200 tons; free, steam: 15 stamps, Clas. Davis, supt.
	**	Orphan Boy Extension Mining & Milling Co., Denver, Colo., Hon. J. C. Helm, prest.; N. C. Merrill, seey., and treas., C. Davis, ngr., Cap. stk, \$1,000,000. Last Lode, Negotiable, gold. Shaft; free; steam.
**		Queen Bess Gold Mining Co., Denyer, Colo., 529 Mining Exchange Bldg. A. C. Schlesinger, prest,; D. 4. Ezekuel, seey, and ingr.; H. W. Kirchner, treas. Cap. stk. \$100,000. Sucker Boy, gold. Shaft: free; hand developing. John Puller, supt.
Creede Hv. 215.	Sagnache	Amethyst Mining Co., David H. Moffat, prest., W. S. Cheesman, seey, and treas.; L. E. Campbell, mgr., Cap. stk. 85,000,000. Amethyst, silver, gold, lead. Slope, 22,000 tons; refractory; steam. Harry Alfenby, supt.
	**	The Antlers Mining & Milling Co. E. Barnett, prest., O. L. Godfrey, seey, and treas.; O. D. Davis, mgr., Cap. 8tk. \$1,000,000. Twenty claims, silver. Shaft; horse (developing). Mr. Crawford, supt.
	**	Com Silver Mining Co., O. P. Poole, prest, and mgr.; W. H. Spurgeon, seey.; H. E. Johnson, treas. Cap. stk. \$500,000. White, Equitable, silver, lead. Shaft; steam developing.
		The Creede & Crapide Creek Land & Mining Co., Denver, Colo., 1638, Curtis Bildg., Room 6; William Warren, prest; 8; 4, Shirley, see; and treas; Monzo Abbott, mgr., Cap. 8th, Sciont, Crapide, Frego, Abbott's Dream and others, gold, silver. Shart; free; hand oleveloping). Matthew A. Rowen, supt.
	**	Creede Mining & Milling Co., Denver, Colo., 3to Boston Bldg., R. W. Woodbury, prest., F. A. Metcalf, seep and treas., D. J. Hutchison, mgr. and supt. Cap. 8tk, \$100,000. McGinty, silver. Tunnel developing.
	**	The Crown Point Mining & Milling Co. Howard C. Chapin, prest, and mgr.; E. I. Howard, seey, and treas, Cap. stk. 81,000,000. Crown Point, Kentheky Boy and others, silver. Shaft; free; horse (developing), Howard C. Chapin, spit.
	**	Del Monte Mining & Milling Co., Colorado Springs, Colo. W. J., Willeox, prest.: H. G. Lunt, secy.: J. A. Hayes, trens. Cap. stk. \$5,000,000. Del Monte, silver. Shaft developings.
		Four Hundred Aere Consolidated Diamond Drill Mining Co., Denver, Colo. F. P. Ernest, prest., Howard C. Chapli, seet., George R. Swallow, treas.; A. F. Hazelline, mgr. and supt. Cap. stk. \$3,000,000. Fifty claims, shter. Free, steam developing.)
		Grand Pacific Mining Co., E. W. Hurlbut, prest., L. D. Mather, seey.; A. H. Raynolds, treas., J. B. Warner, mgr, and supt. Cap. stk, \$1,000,000. Grand Pacific, silver. Tunnel developing.
		The Holy Moses, Mining Co., David H., Mohatt, prest.; L. E. Campbell, mgr., Holy Moses, Ethel, gold, silver, lead. Timnel, shatt, 6,000 tons; free; horse. Harry Allenby, supt.
	••	King Solomon Mining & Milling Co., Denver, Colo., 207, 208 and 209 Boston Bldg. N. C. Creede, prest.; Edwirel, Rogers, see, y. Geo. W. Robinson, trens.; Theo, Crang, nagr. and supt. Cap. 8tk. \$2,000,000. King Solomon, Edut. Silver, 2004. Shalt, humel; refractory; hand.
	**	Little Mand Mining & Milling Co., Denver Colo., 207, 208, and 209 Boston Bidg. Wm. G. Elder, prest., J. R. Sanville, seey.; N. J. Miller, treas. Cap. 3tk, \$2,000,000. Little Mand, Silver Planne, silver. Shatt, timilet, tefractory, hand. Wm. F. Hogan, mag., and supt.
		Mammoth Mining & Smelting Co., Pueblo, Colo., Central Block. E. H. Martin, prest., A. L. Murry, seev., C. F. Roy, treas., E. J. Wilcox, ingr. and supt. Cap. 8th, \$2,500,000. Fourteen claims, silver, gold, Shaft, bund., refractory, tree, steam, land.
		Mammoth Mountain beep Minnig & Tunnel Co., Denver, Colo., Minnig Exchange Bldg. H. A. Ferguson, prest., H. E. Wood, seey., W. S. Nichols, treas.; F. G. Peck, figg., and supt. Cap. stk. \$1,250,000. Little Verme, Black Gill, Baryta, gold, silver. Tunnel, shaft, trea.
		Nelson Tunnel & Mining Co., A. W. Brownell, prest.; J. P. Wallace, seey., B. F. Kelly, treas. Cap. stk. pd. \$1,000,000. Triangle Łode, silver. Tunnel, refractory; water (developing). Ed. Wagner, supt.
		Pueblo & Creede Mining & Milling Co., Pueblo, Colo., Union av. C. H. Watkins, prest., H. T. Witson, seey, and treas, Thos. R. Henalbey, lagt, and supt. Cap. stk. \$500,000. Tenay Foundation, silver, Shatt, retractory, hand oleveloping).
	44	Silver King Mammoth Mining Co., Denver, Colo., 626 Mining Exchange Bldg. Win, H. Yankee, prest.; W. H. Combs, seev, and Treas., Colin Timmons, mgr., and supt. Cap. 8tk, \$1,000,000. Silver King, Monitor and Merrimae, silver. Shaft, tree, steam developings.
		U. S. Paymaster Mining Co., Penver, Colo., 55 Parcley Block. Evan Morton, prest., Geo. W. Trommhtz, seev, and mer. F. C. Humphtey, treas. Cap. 5tk, 53(10)70. U. S. Colorado Boy, Paymaster, Johnny Bull, styre. Tunnel: retractory, horse developing. E. F. Gordon, Sup.
Crested Butte	Gmmison	Cumberland Consolidated Mining & Milling Co., Aspen, Colo, Joseph Reese, prest,, E. C. Stinson, seev.,

- t rested latte Gumuson Cumberland Consolidated Mining & Milling Co., Aspen, Colo., Joseph Reese, prest., E. C. Stinson, seey., By, 218.

  H. T. Tissington, treas., J. M. Ameent, hugt. Cap. stk. \$1,000,000. Cumberland, gold, silver. Tunnel: tree, compressed art., C. R. Wettalren, supt.
  - The Diamond (R) Mining Co., Pueblo, Colo., 212 S. Union av., J. J. Langdon, prest.: John S. Stewart, seey., Julius Fish, tress. Cap. 8tk, \$500,000. Diamond (R) and Honest Old Grover, silver. Tunnel: retractory, Janal developing. C. F. Welsanghilli, supt.

# Crestone Saguache Ry, Mollat 215 (18 m.).

- Saguache, Kunkel Bros, Banner, gold. Shaft, tree, hand developing),
  - Von Moltke Mining Co., Hugo Henkauter, mgr, and supt. Von Moltke, gold, silver. Junnel, shaft, 50 tons, retractory, hand developings.

Town

#### GOLD AND SILVER-(CONTINUED)

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT. COUNTY

#### Cripple Creek, El Paso Ry, Hayden Divide 26 El Paso its miles

- Alamo Mining Co., Colorado Springs, Colo,, cor. Pike's Peak ay, and Tejon st. Hon, F. E. Robinson, prist, E.W. Weyeal, seey, H. E. Rassett, Iteas, Lloyd Adamson, mgr. Cap. stk, 8800,000. Four claims, gold. Shaft, tunied, tree, hand. L. Adamson, sup.
- The Alverta Gold Mining Co., Denver, Colo., cor, Seventeenth and Curtis sts. Edmand L. scholtz, prest., H. P. Ellis, seey., Thomas Keely, treas; H. C. Lawrence, nigr. Cap. stk. 800,000. Alverta, gold, Tunnel, Shaft, free, Lawrence, supd.
- Anazon, Mining A. Milling Co., Denver, Colo., Room 892 Roston Bldg. O. Metcalt, prest., W. F. Reed, sery, and treas, James J. Ducey, mag. Cap. 81k, 860,000. Reform, Confidence and 5 other claims, gold. Shaft, finnel, 900 tors, free and retractory, steam, Jostamps. Charles Stock, spt.
- American Flag Mining & Tunnel Co., L. H. Gowdey, prest., W. E. Meek, seey. J. R. McKinney, treas., John Horgan, mgr., Cap. 8th, 80,000. Gold. Tunnel, tree, hand. John Horgan, supt.
- Anaronda Gold Mining Co., Denver, Colo., Eds Wynkoop St., D. H. Mollatt, prest., C. F. Harkison, seey., First National, Bank of Denver, treas, Eben Smith, nigr, and supt. Cap. stk. 85,000,000. Anaeonda, Inclaims, gold. Timines and Matts, steam.
- Anglo American Prospecting & Developing Co., Roy 386, W. R. Vacher, prest, and mgr., J. C. Steele, seey., H. H. Vacher, treas., Cap. 3k, 850,000. Fifteen claims, gold developing.
- Badger Bay & Iyanhoe Maning Co., Colorado Springs, Colo. T. A. McMorris, prest., W. C. Frost, seey and treas., Reuben Beney, mgr., Cap. 8tk, 8600,000. Badger Boy and Iyanhoe, gold. Shatt and bin-nel, tree-developing.
- Bull Mountain Gold Mining Co., Colorado Springs, Colo., Cazette Building. Count damos Pourta'e prest., Thes C. Parrish, seep, and Iroas. Cap six Springer, Twenty two claims, gold and silver Shart, Immels, 20 tons, retractory, tree. Tachand Lload, supt.
- B. V. Gold Maning Co., Colorado Springs, Celo., Gazette Building. Count James, Pourtales, prest., Thos. C. Parrish, see, and treas. Cap. 8th 85000. Buena Vista, 20ld and silver. Shath, funnel, sio fons, etractory, tree. P. J. Webbundla, supt.
- Champa Maning & Milling Co., Denver, Colo., 40 California Bidg., U. N. Guyer, prest., Ed. P. Pitkin, seev., S. S. Smittle, treas., A. H. Smythe, mgr. and supt., Cap. 8tk, 81,000,000. Champa, gold., Shart and funnels, tree, to istamps developing.
- Chat Mining & Milling Co., Colorado Springs, Colo. J. V. Handbaugh, prest. Geo. Findley, seev. D. Hetton, treas. H. Chatfillon, mat. and supt. Cap. 8tk. 8600,000. Litta Chat, Hubert Chat, and vothers, gold. Shaft, placer, tree, steam, becamps.
- Chiton Mining & Millim Co., Colorado Springs, Colo., 175 and 1778. Teroust. T. M. Dolan, Chiton, Kan-prest., V.W. Maxwell, seeg., W. D. Harmon, Chiton, Kam, freas. Geo. O. Nevius, high and supt. (ap. 848, 800,000). That H., Tara D. gold., Shutt, tree steady.
- C. O. D. Gold Mining Co. Colorado Springs, Colo. F. M. Stellman, prest. Clarence Lelsall, seey and trens, Chas, I. Tutt, mgr. and supt. Cap. 8th. \$20,000. C. O. D. My Choice and Berkley, gold and silver. Shaft retractory, tree developing.
- Collay Mining Co., Colorado City, Colo. J. R. Watt, prest. A. R. Hull, Seey. Tred. Hilliker, treas. Cap. 81k, 81,000,000. Manimoth. Moose, Rutlalo, Carrbon and others, 2 dd, silver. Smatt.
- Compact Wining & Milling, Co. J. R. Thompson, prest. H. R. Warren, see V. and Treas. Cap. 8th. 8750,000. Compact, gold. Shatt, and framet. tree. horse. Thomas, supt. and mgr., J. H. Parker, orse developing. Mark
- Conservative Mining & Milling to , Colorado City, Colo Chas, A Crane, treas M. O. Lyans, mgr. and sapt-tory, thee R.S. Briscon, prest, M. J. Myers Smith, sery Cap silk \$250,00 Goold, Shatt, funnel, rema-
- Coronado Gold Minning Co., Pueblo, Colo, Central Block Paol Wilson, prest. Chas S. Samerland, seevalulin H. Olmes, treas., N. F. Guyot, ingraand sopt. Cap sile 87 Source Napoleon, Any H. Jetthe M. and others, gold. Open. Garo Gons, free "decreated to Too Stamps."
- Cripple Creek Syndicate Mining & Milling Co., Denver, Colo., box Lawrence st., John L. Russell, prest. C. S. Hooper, see, and treas. A. K. Hodman, mgt. and supt. Cap. 8th \$20,000. Cripple Creek Syndicate, gold. Shift, 175 fours, tree, steam developing.
- The tapple District Minnig Co., Denver, Colo., 67(Cartis st. J. C. Rice, prest., Chas. F. Liebold, see and Treax, S. D. Trescott, ingr., and supt. Cap. stk. 855,000. Ten claims, gold. Tunnel, sha developing.
- Cyrstal Mining Co., Lie Reinnet av. W. H. Young, prest Ateas, ingrained supt. Thos. Donnell, seey. Cap., 8tk. 850,000. Panther, Storm and Monte Christo, gold. Shafts. tree. hand. developing.
- The Denver & Cripple Cteck Mining Co., benver, Colo., 91 (Seventh 8). If J. Kruse, prest. I. A. Smith, seev., F. H. Mason, treas., J. A. Rizzs, high. Cap. 8tk 890,000. If H. Mason, America, City of Paris and others, gold developing.
- The Double Bagle Mining Co., Colorado Sptings, Colo., 21 Bank Ridg. Henry D. Corther, peest "Johnst O Nofey, prest, "Bert W. Osborn, seey and treas", J. F. Tophing, nigr and supt. Cap sits \$1,000,000 Double Langle, rystal Reet, Name Then, gold. Shutt, tree, hand
- The Li Dorado Gold Mining & Milling Co., Colorado Springs, Colo., J. U. Seldomradge, prest. J. F. May bury, seey and freas, U. W. Lia Vergue, negr., Cap., 84k, 846,600. Fr. Dorado, 850.26, and Cripple Creek, gold. Shaft, tunnel, placer, retractory and free water.
- Elklon Mining & Milling Co., Colorado Springs, Colo., 105 South Tejon St. (Geo Fernard) (co. st. San Bernard, seev. Van F. Romse, treas (cap. stk. Sandon), Elklon, Kentheky, Biffy and Waster, and sitter, Shaft and tunnel (rice. Van F. Romse, supf.).
- Free Comage Gold Manua; Co., Colorado Springs, Colo. (8, 1 Alfman, prest, and megr. M. M. Radd seeg, Jalines H. Baldwin, treas. Cap sik stronomo, Rasing Sun, Wilson and others, gold. Sh. drift, tree, retractory, hand. Latiest Wass, supt.
- Gold & Globe Hull Mining Co., Colorado Springs, Colo., 164 Pike's Penk av. A Anders en puest. R. Anderson, stery. Win, W. Hassell, (reas., Cap sik Scoroto, Gold, Gold, Gilde and Tron Karg, gold.) (nel, Salat, 3900 (one, Land, J. R. Welkinne, Supp.)
- The Gold King Mining to a colorado springs, tolo (T. A. Colburn, prest), (C.H. Dudley serv) and iteas Cip. 8tk 85,00,000 (El Paso, gold, Shatt and funnel, 5,00) fons, retractory and tree (hand Testaings Win, Lemnoy, 8upt.)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAME OF DEFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OHE KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2006 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUFFRINTENDENT.

Town	AND	COUNTY.	of found comp, of and made of Mine Suffering Ender.
Crapple	Creek. Continue	El Paso	Gold Standard Mining & Milling Co. L. D. Rodebush, prest.: Ely G. Bettis, secy. Cap. stk. \$1,200,000, Gold. Tunnel, shaft: steam, hand developing).
**		••	Golden, Eagle Mining & Milling Co., Colorado Springs, Colo. Daniel Gregg, prest., W. C. Farrell, secy.; Gen, E. Foster, treas. Cap. 8th, 81,000,000. Comstock, Great Western and 7 other claims, gold. Placer, tunnel and Shaft; free; steam.
**		**	Golden Gate Prospecting, Mining & Milling Co. Emlen Lewis, prest, and mgr.; Peter McCrea, seey, and treas. Cap. sk. 81,500,000. Fitteen lodes and placer claims, gold, silver. Shaft, tunnel, placer; refractory, free; water, steam and electricity. Dr. E. Lewis, supt.
			The Granite Hill Mining & Milling Co., Colorado Springs, Colo. L. H. Gowdy, prest,; C. W. Older, secy.; A. S. Andrew, Ireas.; W. H. Gowdy, mgr. Cap. stk. \$1,250,000. Granite Hill and Chicago Girl developing).
		**	fronclad Mining & Milling Co., Cap. stk. \$1,000,000. Gold. Tunnel, Shaft; free, John S. Bogg, supt.
		**	Jack Pot Mining Co., Colorado Springs, Colo., 112 E. Pike's Peak av. E. J. Hadfield, prest; John S. Lentz, seey., R. H. Graham, freas., Lew Jackson, mgr, and supt. Cap. 8tk, 8t.250,000. Jack Pot, Iron Master, Providence and Mary Wynn, gold. Tunnel, shaft, free; hand.
		**	The Jeff Davis Mining Co., Colorado Springs, Colo., C. M. Rice, prest.; C. B. Wider, seey.; B. C. Hubbell, treas. Cap. stk., \$1,000,000. Jeff Davis and 6 other claims, gold. Shaft: refractory. J. W. Wells, supt.
		**	Jetterson Mining Co. W. E. Crang, prest.; Geo. B. Mechem, seey.; Geo. Mayhew, treas.; Samuel Bishop, ngr. and supt. Cap. stk. \$1,00,000. Game Cock, Jay Hawker, Halbe, gold. Shaft, tunnel, 60,000 tons; Iree; electricity, 29 stamped.
		**	The Juno Mining & Milling Co., Denver, Colo., 2449 Champa st. Emile Bern, prest., Gordon H. Rankine, seey., W. S. Winslow, Ireas.; Eli Punshon, mgr. Towand, gold. Tunnel.
			Le Clair Mining Co., Frank F., Castello, prest., T. J. Ryan, seey., H. L. Houghton, treas.; T. F. Houghton, ingr., and supt. Cap., stk. \$1,000,000. South Park, Le Clair and 2 others, gold and sliver. Timnel, Shalf, tree, refractory); hand developing:
			Legal Tender Mining and Milling Co. L. D. Rodebush, prest., Ely G. Bettis, seey. Cap. stk. \$1,200,000. Gold. Tunnel, shaft; steam, hand (developing).
		**	The Little Don Mining & Tunnel Co., P. O. Box 5. Geo, H. Hobson, prest., G. B. Portis, seey.; Geo, C. Harper, treas., Pueblo: John Downen, mgr, and supt. Cap, 8tk, \$1,000,000. Gold. Tunnel, shaft, hand.
			Liftle Mining & Milling Co., Denver, Colo., 1621 Stout st. 4, 4, Maccabe, prest, and treas., M. R. Hill, seey., John H. Maccabe, mgr. Cap. stk. \$250,000, Gold. Shatt, hand (developing). 4, Cludde, supt.
			Lone Star Mining Co., John Hulburt, prest., F. T. Osgood, seey., F. T. Castello, treas., E. B. Smettle,

- Lone Star Mining Co., John Hulburt, prest., F. T. Osgood, sery., F. T. Castello, treas., E. E. Smettle ingt., Cap. stk. \$1,000,000, Lone Star, gold. Free developing.
  Lone Star Mining and Million Co., J. D. Baldaysh, prest. Ch. C. Partis, supp. Press, still \$1,000,000.
- Lone Star Mining and Milling Co. A. D. Rodebush, prest.; Ely G. Bettis, secy. Cap. 8tk. \$1,200,000. Gold. Tunnel, shatt. steam. hand ofeveloping).
- The Mertie D. Gold Mining Co., 56 Carr ay. E. C. King, prest, and mer.; R. G. Mullin, seey., Chas. H. Adams, trees. Cop. 8tk, \$1,00000. Mertie D., Jim Blane, Archie, Winona, Lena M. and Pomme de Terre, gold. Shaft, tunnel, free, hand. E. C. King, supl.
  - The Mountain Chief Gold Mining K. Milling Co., John K. Vanatta, prest.; John M. Backley, seey., C. H. McMasters, Frea., F. M. Camey, mgr. Cap. 8th, 81,000,000. Mountain Clinet, gold. Shaft, timnel, 9,000 tons; free, horse, W. K. McEley, supt.
- Mutual Mining & Milling Co., Colorado Springs, Colo. E. F. Titus, prest, C. S. Bailey, seeg.; W. H. Gandy, treas, and mgr. Cap, sik, 850,000. New Observery, Cripple Creek, Mineral Hall, Mollie Gilson and Independence, gold. Shaff, famile, free; horse, hand, W. H. Gandy, supt.
  - National, Belle Mining, Milling & Development Co., Fremont, Colo., James M, Parker, prest., J. L. Stebbins, Seey, and Ireas., Samuel Strong, nigr. Cap. 8tk, \$500,000. Gold. Shaft, miniel. Iree.
  - Orphan Belle Mining & Milling Co., Colorado Springs, Colo., 112 Pike's Peak av. J. H. Gardner, prest., J. K. Vanatla, seey.; J. E. Hunter, treas., R. J. Coleman, mgr, and supt. Cap. 8th, 8500,000. Orphan Belle, gold, sitter and copper. Shart and slope; retractory, horse developing).
  - People's Mining & Milling Co., Denver, Colo. M. J. Lawrence, prest.; R. G. Kockwell, seey.; F. L. Rohling, treas.; Win. Hodgson, mgr. Cap. stk. \$500,000. People's, gold. Shaft, free developing). L. M. Bogart, supp.
  - Pharmacist Munng Co., Colorado Springs, Colo., P. O. Boy 376, J. K. Miller, prest., A. D. Jones, seey., J. W. Miller, freas. Cap. stk., \$1,200,000. Pharmacist, gold. Shaft, 6,000 tons; horse. A. D. Jones, supt.
  - Phil Sheridan Mining & Milling Co., Pueblo, Colo., 301 Central Block, W. O. Campbell, prest.; Jas. A. Brown, seey and treas., J. C. Magner, mgr, and supt. (ap. 84k, 8500,000). Phil Sheridan, gold and silver. Shafts and familes: retractory, hand developing.
- Pike's Peak Placer Mining & Milling Co. P. Johnson, prest., Samuel Hershberger, v. prest., A. W. Faurot, seey., Al. Sorders, treas., Bart Pottinger, ingr., Cap. 8tk, 81,000,000. Pike's Peak, gold. Placer, tree, steam and water. J. f. May, supt.
- Plam View Mining & Milling Co., Denver, Colo., 1620 Arapalioe st., Chas. E., Page, prest., Chas. H., Petre, serv., John McLeod, trens., Cap. stk. \$900,000. Gold and silver. Shatt, free developings. A. Vanderback, supp.
- Plato Mining Co., Colorado Springs, Colo., J. K. Miller, prest, and treas.; A. D. Jones, seey., Harry Fergisson, ingr. Cap. stk, \$50,000. Alva Nos. 1 and 2 and Lola, gold. Placer, shaft, tunnel, retractory, horse. Theo. Thorn, supt.
- Plymonth Rock Mining Co., Fremont, Colo. E. C. Hight, prest., H. L. Shepherd, seey., J. M. Parker, freas., V. B. Krewson, mar, and supt. Cap. 8th, 81,000,000, Plymonth Rock Nos. 1 and 2, World's Falt and others, gold and sliver. Shatt, retractory, horse.
- Prade of Cripple Creek Mining Co., Denver, Colo., 80 Seventeenth 81. Milo A. Smith, prest., Arthur H. Cawley, seey. R. W. Woodbury, Ireas. Cap. 8th, \$1,000,000. Prade of Cripple Creek and others, gold. Shaft (developing).

Town

LOCATION OF MINE,

RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND Cripple Creek,

Continued.

Summit John Beasley, Maryland, gold. Pacer band

Dillon RV 215, 776.

COUNTY.

#### GOLD AND SILVER (CONTINUED)

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERIODEAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE JAIND OF MINE, ANNUAL OUTPUT 13 TOSS OF 2000 POUNDS, KIND

OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT,

Shasta Mining, Milling & Prospecting Co., Colorado Springs, Colo., 75, Tepon St., W. W. Williamson, prest, J. W. Rue, seeg., D. Mitchell, treas. A. F. Moyn, figt and supt. Copyright S1,250,000, Joe Jefferson, Lady Florence and 5 other claims, 2013. Spirit, tunnel, retractory, free. R. M. Snavly & S. M. Rugg, Denver, Colo. R. M. Snavly, prest, and treas., S. M. Rugg, seey. Cap. 81k.

El Paso - Pueblo Bell Mining & Milling Co., Pueblo, Colo. J. J. Lansing, prest. D. Mitchell, seev., T. A. Sloane, L. - treas. Cap. stk. 8500,000. Olive, Pearl, Lena and Edisburg, gold. Shait and funnel, free.

	R. M. Shavly & S. M. Rugg, Denver, Colo. R. M. Shavly, prest, and treas., S. M. Rugg, seey. Cap. 8tk., 8500,000. Gertrade H., Gold Cord and H. P., gold, silver. Shatt, tree, hand: testamps. W. L. Camp-bell, supt.
	Spring Creek Minnig Co., Colorado Springs, Colo, 20 E. Pike's Peak ay. Franc O. Woods, prest. W. H. Bacon, seey, and Treas. Cap. stk. 800,000, undy, cap., \$225,000. Fight claims, gold, silver. Junnel. Mr. Steat, supl
	The Standard Mining & Land Co., Colorado Springs, Colo, Rooms Land 2 P. O. Block, L. L. Dwinell, prest, W. F. Mellain, seey, at A. Voorthees, treas, G. V. Emery, incl. and supt. Cap. 548, 800,000, boor key, McCumber, Malta, Barajor and Worring Star, god. Four Sharts and turnel, tree, hand.
	The star of the East Mining & Prospecting Co., A. P. Ha'll, prest. G. L. Hall, seev. A. B. Whitmore, trens., W. W. Metonnell, mgt, and supt. Cop. st& 85,000 O. Star of the Fost, gold. Shart, free, steam.
	The Star of the West Mining and Milling Co., colorado Springs, colo. C. H. Winte, prest, Sherwood Whiteh, seey. O. G. Godfrey, frees. W. P. Hyaff, mg.). Cap. stk. 84,000,000. Star of the West, Fix. Horn, Rothschilds and Landon, gode, seer. Shafts.
	The Sweet Maning & Milling Co., Pueblo, Colo., 210 S. Linon, av., Bardon Sweet, prest. J. H. Sherman, sery., G. H. Hard, treas., A. A. Wekmight, in 27 Cap. 848, 81,550,000. Comstock, 14 Reno, World's Pair, gold. Shaft, high-tolers, Thee, horses, W.R. Walker, supd.
	The L. F. J. Mining & Milling Co., Colorado Springs, Colo., 66 (1) Pakely Peak av. M. M., Paldwin, prest J. W. Bell, seey, and treas (8) Blanch alternative Capestk, 8500,000 (1) P. L. Lador Shart
	Townsite Gold Mining Co., Colorado Springs, Colo., Chris L., Nett., prest. J., Shorley Borden, Seey, and From V. D. Die Masters, magr. and supt. Cap. sta. 85,00,000. Townsite, 203d. Shatt, Tree and re- tractory, horse developing.
	Fuscarora Gald & Saver Mining & M. (ing.) o., Denver, Colo., 26 Boston Bidg. O. P. Grove, prest. G. G. Speer, seey, and freas. Cop. stl. 820,000. Inscarora, 20d and silver. Sharts and fininels. Tree and retractory. C. P. Golfe, supt.
	Union Gold Mining Co., Colorado Springs, Colo., Room I Alrabaid Block. James Beshears, prest. G. M. Carfort, serv. II Alorse, from S. Gov. A Jones, mgr. and a pt. (ap. 848–845,5000). Phys. Peak Defmonro, Oppha Way, 201d. Shaft, acottons. Tree: hove, hand, prestand.
	Aalley Lode Mining Co., Denver Cobe 263; Lawrence et al. R. Speed, prest of Richardson, v. prest, a. S. Hooper, seek and from Cap 877, 8 00000; Varley Lode, 201d. Shaft, 377 fons. free Steam of Colored A. W. Hoffman, supp.
	The Virginia M, Consol dated Minni. Co., Cobo ale Springs, Cibo, 113.1. Kasel as f. B. H. Revant, prest. D. M. Sells, seev. F. W. Sells, Trans. Crap selfs, Shergada. Cold and selver. Journell, Shatti, open, be trackery, tree (hand) developing. W. W. Sells, supl
	The Work Min in Co., Coforndo Spean, Coforndo Reshears, post of H. F. Bassitt, seew H. C. Millstrees, J. J. Deed, mgr. Cap. 8th 85,250,000. Fight claims, gold. Shaff tunnel retractory, hard-objected mgr. H. Schwess sept.
	The World Magag & Maffing co., Denver, co.o. Dr. J. J. Reich, press. A. Hewsen, seey. Robert Smith, trens. F. F. Met bokky, in 2000 and 8 stycen. West Vice: At diamyk and offices, gold and sulver Shaft, transic during dark, retractory, and tree frame. John behand such.
	The Yellow Jacket Maning & Milling Co., Pineldo, Colo, Harry Barndollar, prest. H. W. Barndollar, prest. H. W. Brand, See & J. W. Guyun, Brand, Edw. Capt. Special Colors and Shaft and Guinel Bree, horse. Henry Brown, sppf.
Croman Ry 776 Bootle	i Andre Moref. Gold and silver. Tennell, that there, retractory band, developing
	H. S. Neles & Sons, Gold Crown Sixer. Bell, the Dandy gold and sixer. Shaff, tree, remactory-water developing.
Ry, Carbon 1 co. 2	i The Bear Wountain Mining X Wa, ng co. Aspen Cobo, a Garcine st. W. Porter Nesson for st. Lugar-Saffland, seek, and treas, Cap sits Sprenger, Physics Sover, 2nd Land Soci. Dunie? refractory hand developing. B P. Physion, supt.
	Black Fagle Consolidated Mining Co., Aspen College, Room 2 Wheeler Opera Hoese Block. Thenry R. Wood- ward, prest and mark, W. W. Coelena, seev. Them y. L. Lee, inglan treas. Capestk supergroup Black Fagle, silver: Slatt, tree hoese (mind.), M. W. William, super-
	Flk Mountain S Ver Mans Co., ChiProche, Mo., R. Barnet, prost. A MeVey seey. M. F. Cellar, Itolas. James Usher, mer, and supt. Cop. Sta., \$100,000. The Mountain silver, and lead. Tunnel, for four house, developing.
	Mineral Point Mining Co., Volene, Kan. I. Hoffman prest. J. H. Hoffman seev, and trees. Cap star, 800,000. Agatha, Daisy, silver, lead and copper. Tunnel, shart, tree (hand). John Wallisey, supt.
	The Sheep Mountain Lunnel & Manny Co., Aspen, Colo. B. S. Phillips, prest and may too C. I ato seey, and treas. Cap. sta. 8200,000. Gold, street, lead, and vepper. Turnel, specified with a declined y. B. I. Person, supp.
Cumilures Cone po Rv. 245.	8 J. Gradley n A to J. C. Bradley n, post and serve 6. We thus, treas and mate capestle search Star, gold and silver. Tunned gotions, retractory, free chainled A. A. Dumass supt.
Custer (not a P.O. Custo Ry, Rockvale 26 (6 m.	r. Jeff Steele Mining Co., Pro. do. C.So., "2 and Lo Central Block, John H. Voornees, p. 8. J. H. L., Schodey, sew., F. V. Stone, trea. Jeff Steele, m.t., Capastle Schene, Franklan Zeon Salver, berl. and copper. Timnel, shaft retrief on linesy developed.
Dillon Sman	f John Reaster Mary) and mad Proper bond

	COULTY MILITARY OF THE SECTION OF TH
Location of Mine, Railways, Wafer Routes and Shipping Point.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, FTC., AND NAME OF MINE SUPERINTENDENT.
TOWN AND COUNTY	The state of the s
Dillon Summi	t James H. Ryan. Baltimore, Blind Tom, Jessie, War Eagle, 201d, silver and lead. Tunnel, 75 tons; free; hand. W. H. Fish, supt.
	Salt Lick Mining Co., Breckenridge, Colo. Cap. 8tk, \$10,0000. Salt Lake, gold. Placer, open, 200 tons, free; water. Ed. Carter, supt, and mgr.
Dumont Clear Creek Ry, 776.	Capital Mountain Mining, Tunnel & Milling Co. Thos. A. Ireland, prest.; Philip R. Stanhope, seey.; Win. L. Ireland, treas. Cap. 8tk. \$500,000. Senator, "H. H.," gold, lead and silver. Tunnel, shaft, fortons, refractory; steam; Is stamps. Philip R. Stanhope, mgr. and supt.
	B. Edwards, A. H. Koren, Dr. Lemmger, Chicago, Ill., 168 E. Randolph st. Big Dipper, gold. Shaft and tunnel; refractory developings.
	The Lee Gold & Silver Mining Co., New York City, 45 Broadway. J. B. Herbert, prest, and mgr.: Lindley Murray, sey, and treas. Cap. 8tk. \$250,000. Lee, silver, gold, lead and copper. Shaff, funnel: refractory. R. S. Herbert, 8qb.
**	R. G. Morrison. Phosphate, Rustic, silver, gold and lead. Tunnel; refractory oleveloping).
Durango La Plat: Ry, 215.	t E. S. Reed & N. L. Twitchell. Charlie Ross, silver. Tunnel; hand.
	J. S. Sheck, Hesperus, Colo. Cap. \$2,000,000. Southern Boy and others, gold and silver. Shaft, tunnel, refractory; hand (developing).
Edwards Eagle Ry, Allenton 215,	<ul> <li>Hockett &amp; Wright, Hullside Group, Great Western, gold, silver and lead. Shaft, funnel, hand. D. E. Wright, supt.</li> </ul>
Empire Clear Creel Ry, 776.	6 Headlight Mining & Milling Co., Colorado Springs, Colo., P. O. Boy 241, A. J. Woodworth, prest.; M. T. Hale, seey., C. M. Rice, treas. Cap. 8tk, \$1,000,000. Headlight, gold and silver. Shaft, tunnel; tree, steam. A. J. Denton, ingr. and supt.
	F. L. Peck. Gold Dirt, Dunderberg, Atlantic, gold. Shaft, tunnel; free; steam. F. L. Peck, supt.
**	D. A. Sherwood & Son. Golden Chariot, Golden Era, gold and silver. Tunnel, shaft, 600 tons, free; hand, D. A. Sherwood, supt.
Ry. Silverton 215.	1 James A. Chapman, Lake City, Colo. Golden Cham, gold. Tunnel; refractory (developing).
**	Rasmus Hanson. Sunnyside Extension, silver, gold and lead. Tunnel, 5,000 tons, free, refractory; steam; 20 stamps.
	F. W. Harlow & M. M. Engleman. Cap. \$5,000. Lake Lode, gold and silver. Shaft, open; free, retractory; hand. F. W. Harlow, supt.
	Sunnyside Mining & Milling Co., Montrose, Colo. E. L. Osborn, mgr. Sunnyside, Republic, Little May, Climax, gold, silver and lead. Tunnel, shalt, tree, water, steam, to stamps. F. S. Thompson, supt.
Fairplay Pari Ry, 776	x Emmons Mining Co., Denver, Colo., 44 Jacobson Block, Goo, F. Bafeliebler, prest.; F. R. Miller, seey., Fred Dick, trens.; Seoff Webber, mer. Cap. 8th, 82,000,00. Silver and lead. Shaft, drift, 15,000 tolis, retractory; steam, concentrator. Samuel Home, sup.
Fall Creek San Migne (P. O. Placerydle) Ry 628 (12 miles).	2 Mt. Wilson Gold & Silver Mining Co., Placerylle, Colo. E. C. Sherwood, prest, O. T. Sherwood, seey, and treas. Cap. stk. 880,000. Silver Pick and others. Tunnel, 150 tons, retractory, hand. J. T. Wanne-maker, mgr, and supt.
By Jefferson 776 (7 m).	, O, Granstrom & Co. Red Cloud, gold. Tunnel and shaft, free, mill (developing).
	C. H. Pike. Blue Light, silver and lead. Tunnel, shatt, free, hand (developing).
	Seven-Forty Consubdated Mining Co., Denver, Colo., Denver Club Bidg. E. R. Hallack, prest., W. E. Huntington, seey, and treas., J. C. Lewis, mgr. Cap. 8tk, Somono, Seven-Thirty and Silver Queen, gold, silver, copper, lend. Trained, not fore, rece, land. C. H. Filse, supt.
Florissant El Pas Ry 26	O Anchorna Leland Mining & Milling Co., Colorado Springs, Colo. Trying Howbert, prest. A. Sutton, seey., J. O. Plimb, treas., H. A. Watson, ingr. and supt. Cap. 8tk, 8000,000; indv, cap. \$25,000. Gold, silver. Shart and turnel, retractory and tree, hores.
	Creede & Cripple Creek Mining & Milling Co., Colorado Springs, Colo. R. W. Anderson, prest., H. E. Bassett, secy., D. P. Sell, treas. Cap. 8tk, \$000,000. Gold (developing).
	Virginia "M." Mining Co., Colorado Springs, Colo. B. H. Bryant, prest.; D. M. Sells, seey.; E. W. Sells, trens., W. A. Walch, mgr. Cap. stk. 8100,000. Lincoln. Midland, gold, sliver, copper, lend. Sharts and drults retractory, free, 28-damps.

Frisco Summit Ry, 215, 776

Fultord Lagle Ry, Eagle 215 (18 m.).

Smannt Gold Mint Mining Co., Denver, Colo., Geo, W., Rowman, prest, Jino, C. Met'oy, see, ... Geo, H. Raymond, Treas. Cap. 83, \$100,000. Gold Mint, gold. Shaft, funnel, free; water, fo stains, E.T. Howell, supt. Lagle Eartholt Bros. Polar star Group, gold. Funnel, slope, 15,000 four; free; steam; mill. E. H. Bartholt supt.

John Beauman & Jos. Domandel. | Lacy and Golden Bell, gold. | Tunnel, shaft, 2,000 tons. free, hand; 13 stamps. | Jos. Domandel, supt.

Fultord Mining Co., Eagle, Colo. 41-B. Fultord, prest., E. J. Fulford, seey., F. W. Fulford, treas., A. L. Fultord, mgr. and supt. Toronto, gold, silver. Tunnel, tree. horse.

B. S. Morgan & McSouth. Adelaide and Gold Dust Groups, gold, silver, copper. Tunnel, 100 tons, 4rec, 10 stamps.

Gamble Gulch (Gilpm) Blaine Gold Mining Co. Jessees), Denver, Colo. (Cap. 8th, \$100,000), Blaine Group, gold, 8dver. Tunnel, P. O. and Ry, Black — free, Steam, 45 stamps. Jos A. Gllmont, supt. Hawk 776 sames.

Gaskill Grand Lake (R).

O Grand Lake (R).
Georget (Tosom v. Georget (Tosom v. )

Georget (Tosom v. )

Georget (Tosom v. )

Howard Ry, 205.

Howardsville San -Ry, Silverton 215.

#### GOLD AND SILVER (CONTINUED)

	ATION OF	MINE, R ROUTES
	HIPPING	
Town	AND	COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, AND OF DUE, KIND OF DUE, KIND OF MINE, AND LAB OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER TREE, NAME MILLS, ETC., AND NAME OF MINE SUPPRINCENDENT.

1000		
Georgetown Clear Ry, 776.	Creek	Baltimore Mining & Milling Co., Deriver, Colo., 1316 Eighteemth St., John Fillins, prest, and mgr., William II Emanuel, seey, and freas. Cap. 3th, Sugarit. Baltimore Tunnel, silver, lead. Tunnel, shatt, steam. Geo. Myers, supt.
**		Colorado Central Consolidated Mining Co., New York. Paul Lichtenstein, prest., W. F. Mantins, secy., J. K. Greevey, treas., Ernest L. Foster, ingr. and supt. Cap. 8tk, \$2,550,00. Colorado Central, silver, lead. Timnel, shaft, Lowtons, water.
**		Essey Free Comage Mining Co., Golden, Colo., P. O. Box95 - F. W. Rogers, prest, and mgr., F. W. Rogers, seey, and treas. Cap. stk. 8250,000. Triamph, silver. Shatt, retractory developings.
		Gold Hill Mining Co., Brockton, Mass. Lowell M. Reynolds, prest., Frank L. Angerer, seey. O. A. Rollins, Ireas., J. S. Man, mgr. and supt. cap. stk. s1300,000. Gold Hill, gold and silver. Junnel, retractory hand.
		H. M. Griffin, 664 Second st. Seven Thirty Group, 50 claims, gold, silver, lead and zinc. Shatt, tunnel, refractory, steam. Altred Hedberg, supt
**		Hamilton Gold & Silver Mining Co., St. Louis, Mo., Hamilton Daughaday, prest., F. J. Casey, serv., S., Dodd, Ireas. David Kennedy, ngr. and supt. Cap. 8tk, 520,009. Hamilton, gold, silver, copper. Shatt. 4,200 tons, tetractory, steam.
		Montrose Gold & Silver Mining Co., Georgetown, Colo. E. R. Strong, prest, "Guy I. Cole, Seey," J. D. Clapp, Items, C. J. Nicholis, mgr, and supt. Cap. Silv. Scotter, "Montreat and West Rap Van Winkle, silver, Ieda, "Tunnel," retractory.
		Mt. McClellan Mining Co., Edd., London, England Donglas A. Onslow, chairman, L. F., Webb, seey. H. M. Griffan, ngr. Cap. 84x, 84,260,000. Slevens, gold, alver, lead and zine. Shatt and tunnel, retractory. Thomas W. Jones, supt.
	**	E. G. Naylor desser: Poorman, Bullion and Red Jacket, silver, gold. Shart an Ltmm d, hand, horse
		Chas, R. Nish - Vice President, silver, ead - Lunnel, 10 tons, free, hand - J. M. Copeland, supt.
		Silver Glance Mining Co., James F. Tuckey, prest. Fred P. Dewey, seey, iteas and mgr. Cap.8tk 8150, 1001. Silver Glance, afver, lead. Shatt, 555 (on), tree steam.
	**	R. S. Willis, Matrida Fletcher, salver, lead - Lunnel, 50 tons
Gilman Ry, Rock Creek:	Isigle 215.	Calinnet Mining Co., W. T. Vincent, mgr. Calumet, gold, selver, lead, Annuel, shift, forctors, tree, horse
		1. W. Vincent, Combined Discovery, silver, lead. Temnet, 1,00 ctors. (see
**	**	F. A. Reynolds, Cañon City, Colo, Tremont County Bank. T. A. Reynolds, prest. 1, 1. Al-Ger, seev. 1, 1. Walverton, mgt. and supt. Ben Butler, gold, silver. Tunnel, shatt, no lons, tree, steam.
Glenwood Spgs. Ga Ry. 26, 205	rtield	termt & Murphy - Washington, silver, lead and iron - Shart, tunnel, slope, horse, and hand, 60,000 tons. Bichard Grant, supt.
		Oasis Mining Co., Sydney Broughton, prest., J. T. Wi'lianne, seev. G. E. Jones, treas., J. H. Pietec, ingrand supt., Cap., stc. 8100,000. [Boranza and Cormocopen, good and selvec.]. Drainel. Bree, horse.
Ry, Crested Butt		Moss Rose Maning Co., Afchison, Kan - Moss Rose No. 2, Stater - Tunnel, tetractory hand - Edwin A Sperty, supt
Grand Lake C Ry, Georgetown 65 miles).	- 776	Grand Lake Manig A Suchung to Quiney, RUJ ES Shift, poest 1   Linch, seev. I. W. Myer treastorp, stk. 82,50,601. Wolvering Wolvering Extension, Jun Bowen, Sundy Campbell and others, solver Tannel and Junty Suctions, retractory hand.
		Robert C. Graves. Cap. 85,000. Tast Hope, gold: Statt 500 tons, tree, horse
	* *	Clyde W. King., Cap. 82,500., January, gold., Shatt, 55 tons, tree, horse,
		J. N. Pettingell, Savage, silver, lead. Short and terme? retractory developing
		J. I. Wescott, Bron King and Nabob, gold, silver - Tunnel, free, hand
Granite: 61 Ry, 26, 215	hatter	Twin Takes Hydraulic todd Muning Syndicate, Ltd., Loincen, Lugland. Norman Smith, prest. Vere-Herbert Smith, seev. and treas., E. Stanley Revett, ingl. and supt. Twin Likes Placets, gold. Placet hydraulic.
Gunuson Gun Ry, 215.	1115011	Madland Mining & Milling Co., D. B. Cherry, prest., C. 1 Salls, seev. T. 8 Ferras, J. C. Helmichingr. Cap, 8th, 8500,000, "Noah and Golden Are, gold Shaft, tounel, 9,000 (ons. steam, water, mill
Hahn's Peak Ry, Rawlins, Wy	Routt 6, 776	D. Müller, Gold, Placet water,
Hesperus La Ry, 628 (10 miles.	Plata	Hechtman & Lewis, Durango, Colo., Cap. Stace. Tagle Pass, gold, silver. Tunnel, shatts, 50 tons. refraetory, hand, 40 stamps. J. F. Hechtman, supt.
		James G. Sheek. Silver Belle. Tunnel, 2,000 tons, tree, hand
Hillside Fro Ry Cotopaxi 215	mont	A. W. Coale & F. (f. Hamna). Gern stewed and Gern Palmer, 201d, salver, platinium and nickel — Shatti, tur- nel, hand, concentrator — A. W. Coale, m21, and supt
Horseshoe, Ry, Fairplay 776	Park Hu	Cato Mining & Milling Co., Denver, Colo., care of Globe Smelling Co., A Chamile, prest. D. Showiy, A prest, J. M. Walker, seev, and treas. Cap. site Science. Only Chames, Addo and calo, silver, and read. Shaff and framely, soon tone, retractory steam, concentrating millipetons. J. L. Loomis, sup-
		V. L. Gibson & W. H. Powless, County Line, silver and lead. Open cut and shaft, 150 tons, free chand

Mrs. Henrietta C. Work. Dauntless, silver, fend. Tunnel tree, horse. G. A. Hanlan, mgr. and sapt.

Louisa W. Alcoff Mining Co., Denver, Colo., 846 Equitable Bildz. Obve Wright, prest. NePre Bildz. Seev. Libbie Martin, treas. Cap. 8th 8500,000. Geneva, 201d. Tree. developing.

Asin Juan | The Prule of Louisville, Louisville, Ky , 112 third st = John W, Lucas, prest , R. H. Doen, seey, and treas Luc<sub>3</sub> SK, SLOODO, Rochester, Progressive, Contland, ele., gold, silver, lead, copper = Tounct | band John Volterton ingr., and supt.

"Fremont, Charles Chavers. New Discovery and copper King, silver and copper. Shaft, refractory

Low	CHOS OF	Mrs.e. 1
		R HOUSES
AND	HIPPING	POINT.
Town	AND	COUNTY

NAME OF COMFANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORDE, A TOO OF MINE, ANNIAL OUTPET IS TONS OF 2,00 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINFENDENT.

		inites from Ry.
	**	Commonwealth Mining Co. John Cochran pr., prest., Thos. B. Bryan, seey.; Allen B. Wrisley, treas.; Geo. A. Chipman, ingr. Cap. sek. Shou,oo. Little Matthe, Great Republic, etc., gold, silver, lead. Shaft, retractory; concentrator. Anguis Sufficientland, supt.
	••	Comstock Gold-Salver Mining & Malling Co., Denver, Colo., Room 7 Essex Bidg. S. C. Fulton, prest., W. P. Caruthers, sevy.; James W. Clarke, freas., Thomas Woodward, mgr. and supt. Cap. stk. \$500,000, Comstock, gold and sliver. Shatt, retractory, steam.
		The Edgar Union Mining Co., James Robson, prestr. J., H. Wright, seey., Robert Turner, nigr, and supt. Cap. stk. \$300,000. Edgar Umon, Fulton, Humphry, Comstock, gold, silver. Shaft and drift; refractory, Seam.
		A. P. Fonda & Chas, Stinson, Kansas City, Mo., 767 New York Life Bldg. Geni, gold, silver. Tunnel, 100,000 fons; free.
	**	Gold Bar Mining & Lode Co., Denver, Colo., 1543 Lawrence st. G. W. Enright, prest, and mgr, and supt.: J. H. Means, seey, and treas. Cap. stk. 8300,000. Gold Bar, gold. Placer, free; water.
	**	Hinarod & Hudson, New York, 491 Fulton st. Lamartine, gold, silver, lead. Shaft, 3,000 tons; refractory, steam. Silas Hanchett, supt.
		Iron Duke Mining Co., benver, Colo., 1914 Washington av. Wesley Lyons, prest.; S. C. Jackson, seey., R. A. Wagner, treas., Washington Johnson, mer, and supt. Cap. stk. 850,000, 1ron Duke, Hamilton, Jackson and Brown, gold, silver. Shaft and funnel, 50 tons; refractory, free; horse; Stamps.
		The Kohinoor & Donaldson Mining Co., Ltd. George Hopkins, prest., W. H. Rowe, seey, and treas, Champlon, Donaldson, Kohinoor, gold, silver, copper. Free and retractory: steam, water, 20 stamps, Geo. S. Vivian, mgr., and supt.
		May Flower Mining & Milling Co., Minneapolis, Minn., Washington Bank, C. O. Nash, prest.; E. Davis, seey., O. E. Brecke, freis. Cap. 8tk, 85,000,000, May Flower, gold, silver. Shaff, 8,000 fons, refractory, steam; concentrator. A. H. Koren, supp.
		P. Miysell. Clarissa, gold, silver. Shaff; free; steam, fo stamps.
	**	Pewabic Mining Co., Denver, Colo., 40, 441 Boston Bldg. A. W. Powell, prest., H. A. Wimbush, seey, and trens., Fred Hills, mgr. Cap. 8tk, \$250,000. Ber Franklin, Uncle San; and 4 others, gold and silver. Tunnel, 2,000 toos, Hee, Land. V. A. Wimbush, supt.
		Estate of Jo. Reynolds, Jo. Reynolds, gold, silver, lead. Shatt, funnel, 834 fons, refractory; steam. J. E. Chester, mgr, and supt.
		The Satisbury Mining and Milling Co., John York, prest;: Samuel II, Cregar, seey, and Iteas. Cap. stk., 85,0000. Satisbury, gold, silver. Shaft, Immel, 5,000 tons, refractory, steam, concentrator. Chas. A. Gehrmann, mer, and supt.
		The Stanley Mining Co., John York, prest., Samuel H. Cregar, seey, and treas. Cap. stk. 810000. Stanley, gold, silver. Tunnel, shatt, 6.000 tons, retractory, steam. Chas. A. Gehrmann, mgr. and supt.
		Tramway Mining & Milling Lee, Denver, Colo., cor., Ellsworth and S. Water sts. Thomas L. Roberts, piest, and mar, E. Buchler, seey., O. G. Smith, freus. Cap., stk, 890,000. Gen. bog Tray, Tom Kibly and Jothers, gold, stley, lead. Shatt, timnel, they hope a Samuel Marchington, sup. (Developing.)
		Treasure Vault Gold & Silver Mining Co., Milwankee, Wis., 408 Milwankee st. John E. Barton, prest, and treas., Stoddard H. Martin, seey, Cap. 8tk, 84,000,000. Treasure Vault, gold, 76 tons, tree, hand, Geo. A. Hamilton, mgr, and supt.
fronton Ry, 215.	Outary	Candice Mining & Milling Co., Clearfield, Pa. Hon, W. A. Wallace, prest.; Thos. L. Wallace, treas, Candice, gold, silver. Shatt, 100 tons; steam, J., H. Krebr, mgr, and supt.
	+ 4	La Plata Mines, Ltd., London, Eng., It Poullney St., E. C. Henry Richards, seey., Philip Vrgall, nigr., Cap. 84k, 82,000,000. White Cloud, silver. Shaft, steam developings. John R. Mitchell, supt.
		Widnight Mining Co., Ouray, Colo. Sam, W. Gregory, prest.; Geo. H. Kean, seey.; Altred E. Keet, treas. Cap. 8tk. \$900,000. Midnight, Daylight, silver, gold, lead. 2,500 tons. free; steam. P. J. Holmgrain, supt.
		The Mine Coviners' Trust, London, Eug., 11 Poultiney 8t., E. C. Philip Argall, mgr. Cap. 8tk, \$150,000. Several prospects of eveloping a dolin R. Mitchell, supt.
		Sarafoga Munng Co., Sr. Louis, Mo., 417 Olive st., E. C. Sminions, prest.; W. K. Spinney, seey., Geo. L. Allen, treas. Cap. 8tk, \$1,000,000. Sarafoga, gold, silver. Tunnel, retractory, steam. L. R. Fry, supt
liwin Ry, Crested (Similes),	Commison Butte 215	Forest Queen Mining Co. F. W. Fuller, prest, and mgr., B. F. Woodward, seey. Cap. 8tk, 81,000,000. Forest Queen, gold, silver. Shaft, funnel, retractory, steam, water. F. W. Fuller, supt.
		The Emby King Mining Co., Colorado Springs, Colo., Room 20 Bank Bidg. Louis R. Ehrich, prest., Frank White, seev., Lewis A.A. (vill, treas., Frank G. White, mgr. Cap. stk, \$1,00,000. Ruby King, Republic, silver, gold. Shaft, funnel. John Koonts, sing.
Jackson Ry, Cimarroi		Capt, M. W. Cline. Bratus, Sheba Queen and others, gold, salver. Tunnel; refractory, free, hand,
Jamestown Rv. Boulder miles).	Boulder 776 H	$\label{eq:half} H \leftarrow \text{Albertson X-Win, Brown, -Cap. S10,000},  \text{Baltimore Belle, goldShaft, -HC. Albertson, supt.}$
		G. J. Evans. Silver Ledge, gold, silver. Shatt and tunnel, retractory. Walter Clemens, supt. Gebluard & Brown. Bueno, gold. Shaft, tunnel, 600 tons, retractory; horse.

Golden Age Mining & Milling Co., Robert F. Harrison, prest, and nigr., Win, E. Harrison, seey., John W. Tullis, trens. Cap. 8th, 8th, 90,000. Golden Age, gold, silver. Shaff and timnel, tree and refractory: steam, 28 stamps. Win, E. Harrison, siph.

O. N. Heckman, Cap. 8th, 850,000. Mand 8, and 8th, Groups, gold, silver, copper, Tunnel, retractory, W. W. Hannett, suph.

_	PING POINT.	Name of Mine, Kind of Ore, Kind of Mine, Annual Output in Tons of 2000 Pounds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine Superintendent.
10ws a	.ND COUNTY.	
Jamestown (Con	Boulder finned,)	Mountain Chief Mining & Milling Co., Denver, Colo, 5 and 6 Steele Rlock. Dr. J. R. Van Allen, vprest , C. V. Mead, seey, and freas. A. J. Denfon, mer. Cap. 8tk, 81,000,000. Mountain Chief Group, gold silver. Skalt, finnel, retractory, knad. R. R. P. Deage, sup.
	••	Wylie Mining & Milling Co., Denver, Colo., 92 Seventeenth St., Judge O. N. Hilton, prest., L. E. Devill, seey, and treas, O. E. Du Bois, ngr. Cup. vlk, 850,000. Kung Wilhelm, Badger, Noble Ella, gold, silver, Shalt, returnetry, tree; horse, O. E. Du Bois, sup;
Jimtown Ry, 215,	El Paso	Cleopatra Mining Co., Colorado Springs, Colo., 17 E. Pike's Penk'ay. A. A. McToyney, prest., A. J. Law- ton, seey, and frens., F. H., Crawford, nigr., Cap. 848–8500000. Cleopatra, New Discovery, silver, Shaft, Juniel, Gree, Increase, Land. developing: John W. Blades, supt. The Missiant Prefix Manney of Theory Colo. Cession and order for the Programmy most. W. P. Porton.
		The Missouri Paedic Mining Co., Denver Colo., 128 Seventeenth St., W. G., Bausemer, prest., W. E. Perkins, seeg., C. W. Willett, treas. L. M. Keiller, mar., and supt. Cap. stk., 8900000. Dakota, Idaho, Wyo ming and others, sibter, Shart Limiel, hand.
Kissellville (P, O, O lette 2	Conejos siet - Ry, Sib- E5,	Jack Gray Mining Cu., Osier, Cob. P. Lahey, prest. Win. Morgan, seey., John Minison, trens. Win. Jordwin, ugr., Cap. 8th, 800200. Rough and Ready, offer, lend. Turniel, 76 fons, retractory, hand. J. J. Werer, Supt.
Lake City. Ry. 215.	Hinsdale	Capital City Mining Co., Thomas B. Hannah, prest. Geo. P. Dunhara, seey and treas. Capital Nos. Land. 2 and Lifly, gold, silver, lead. Tunnel, 3,650 tons, steam. J. F. Herzinger, Ingr., and supt.
**	**	M. Dempsey. Cherokee, silver gold. Shaff, furnel, retractory, hand developing).
**	**	todden Pleece Mining Co., 1400, W. Penec, seey and trens. Henry Monell, supt., Golden Pleece, gold silver. Tunnel, retractory, water
**		Lewman & Rowan - Broker, gold, salver, copper, lend. Shatt developing .
		A. C. C. W. Mines, I. G., London, The T. Ute and Clay, salver and lead, "Shatt and funnel, speam," A offlow Medicine Syndicine, R. L. McCornnels, pre 1. W. J. Elinendorf, mgt. and supt. A offlow Medicine, gold, lead, "Timnel", retractory.
Lamartine Ry, Idai	Clear Creek no Springs 776.	
Lat Veta Ry, 215,	Huertano	Lifted & Graham. Standard, 8.5v.) - Turanel (100) hand
		G. W. Graham. Blue Radson. Pvet, gold, coppet. Shart, 100
		G. W. Graham & I. Drod. Standard, gold and solver. Shart tree
		G. W. Gladram & Co. Drafet on, 20 wanted sixet. Shaff the code velop us
-00		Treland Bros & Kane - Covole, save - Shatt, retractory hand - Charles Ire and supt
		Kane & Ireland   Cap Shooo   L. Covote, sever heef   Shaff, Cano   Pro Center   L. W. Kane, supt
		Morse, Chillotd & H., s., Possey, One hat good, severe col., Shaft, developing
		Pine Grove Mining X W.C.in, Co., J. H. Indote, pitest. G. W. K. ix, e. y., J. Connections. J. S. W. fl.s., ingr. and supt. Cap. six shooms. Little Domining adds, a ver. Linner, tree-bond developing.  Setton X Stone., tools, sixer and from Immer. (otherbory and from ). H. Stone, and
		S Yéi Mounton M mar, & Milet 2 Co. W. B. Tattle, prest. J. M. Jonne, see f. and treas. A H. Te landing and supt. Cap. Sta. Science. Troy. Blanch. sect of sees search and cod. Tunnel, Shattle tool hand.
		Sometset Mania, A. Madia, Co. Demona, Color, Rosmes Jaabe, Holley A. Calaisson, prest. Good J. Humbert, Seevand Groot. Phomas Mel new might cape to slowere. Sometsel, gold salver, end Junnel, place a retractory, hand [1, J. Mel new respective].
Lawrence , Ry 1760	Ft Paso tence 26, 117	Jalvan Bodry Gold Manag & Mallang Co., Denvey Gold - Reconcer Labor Genard Opera House - Peter Met outly press. J. R. Aggresinger, so we cold. Reconcer de A. Haler ingress realising for Archive Atlanta others, gold - Shaft, these are standed.
		Elorence L. Mining Co., Colorado Springs, Colo., 68 N. L. and J. L. Rares, prest. W. L. Holmes, serv., Thomas C. Cook, Lett. S. M. Rietts, may be perfused a spring Property Lydenne H. gold silver, Tunnel, Shift, 1900. hand developing. Thomas Wode clones spring.
		Lawtener Manig & W <sup>10</sup> ng co. J. I. Neaman prost and may $\infty$ See Gaskell served R. S. Lewis, treased appeals from the Capital Section of Small, but nell participation for the Capital Small, but nell participations of the Capital Small, but nell participations of the Capital Small Sm
		J. R. McKanne, Cop. 840,000. Grande, Wiser Domord (2002), Acco. Shatt, Came? Green level stempostamps, developing.
		Wt Rosa Mining & Mr <sup>0</sup> mg Co. Colorado Spenias, Colo. B. & Walker, prest and mgr. G. S. Wilson seev. A II Cotman, Press. Cap. sh. Sanogeon, Mr Rosa, 2001. Place: Tree. with the contract of th
		Notional Bette Minnig, M.I ung & Development etc. Fremont, color James M. Parker, prest. J. L. Sieb- bins, sew and treas is sample Strong, and sind (e.g. sit, sooner). White House Captain and other gold. Shaft, tamely from the treatment of the property o
		Opher Mining Co., Colotado Springs, Colo, 11, and 117 N. 17 (m.st. 1) I. Horn, prest. 1, 4. We bes seen. 1, K. Theal, treas. A. K. Rutter, may and sind. Cap. R. 8700,000. Carbonate, Queen, be of Pine, 20 of Shatt. Oct. Land. Oct. Oct. Dec. 1, 20 of Shatt.
		Regar Gold & Silvet Manug & M <sup>10</sup> ng col, a longerty of dealer I. II. convenies state, W. Letters, see J. We Barta, trans. J. W. Bartess, nugrands upt. Cap. La Scoper, Ann. Big Bartes, Santatism and offens, gold, silver. Shatt. Parel (1984). Land
Lawson . Rv. 776.	Continek	

LOCATION OF MINE. RAILWAYS, WATER ROUTES

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
Town	AND COUNTY.	
Lawson	Clear Creek	J. W. Hunter. Orient, silver. Shart, 00 tons, (ree; steam,
**	**	Livingston & Beaudry, Denver, Colo., 1306 Seventeenth st. Tabor and Gov. Thomas, silver, lead. Shatt, tunnel, 135 tons; refractory; steam. Edmond A. Beaudry, supt.
Leadville Ry. 20	Lake k 215, 776.	Boreel Mining Co., New York, N. V., I Broadway, H. B. Denman, prest., C. A. Cameron, seey, and treas.; S. W. Mudd, mgr. Cap. 8tk, \$3,000,000. Gonabrod, lead, silver. Shaft; refractory; steam.
	**	M. Christmann et al., 328 E. Tenfli et. M. Christmann, prest.; Oscar Christmann, seey, and treas, James Kavanagh, mgr. Miners' College, gold, silver, lead. Tunnel; refractory; hand. Wm. Bienen, supt.
**	**	Clara Mining & Milling Co., Leadville, Colo., 122 W. Eighth st. C. Hood, prest.; S. W. Mudd, seey, and treas. Cap. stk. \$1,000,000. Colorado Boy, Bob Shepherd, Esmeralde, silver, lead. Shaft (developing).
**	*4	The Col. Sellers Mining Co. W. F. Patrick, mgr. Col. Sellers, silver, lead. Shaft, 30,000 tons; refractory; steam. S. D. Nicholson, supt.
**		Dunkin Mining Co., 115 E. Eighth St. Woodward Emery, prest, William Favon jr., seey.; James C. Elms, treas: Warren F. Page, mgr. Cap. 8th 85,000,000. Dunkin, gold, silver, lead, fluxing iron. Shaft, tunnel. E2000 toos; refractory; steam. J. T. White, supt.
**	••	Evening Star Mining Co., New York, N. A., 53 Broadway, W. B. Dickerman, prest.; Justin A. Edwards, seey., H. K. MeHarg, treas.; Ezra D. Dickerman, nur., Cap. 8tk, \$500,000. Evening Star, sliver, lead, iron. Shaff, 20,000 tons, steam. Perley Dodge, supt.
**	**	Fall River & Colorado Mining & Milling Co., Fall River, Mass. H. F. Laroten, prest.; Chas. Bugbee, secc., and freas. Cap. 4k, \$4,000,000. Goldsmith, gold, silver. Shaft; water; 10 stamps.
**		First National Mining & Milling Co., Pueblo, Colo., Boom 41 Grand Opera House. Col. A. W. Duggan, prest.; Aaron Sonneborn, seev, and treas., A. W. Duggan, ugr. and supt. Cap. stk. \$1,000,000. First National, gold, stlver and lead. Shaft. Tree and refractory; steam-developing.
**	**	The Golden Fagle Mining Co., Harrison av., Quincy Block, Robt, B. Estey, prest., C. C. Kellogg, seey, and treas. Cap. stk. \$500,000. Gold, silver. Shaft; free; steam.
	**	Chas, H. Graham & M. Guggenheim. Chas, L. Hill, mgr. A. V., Minnie, silver, lead, zine, iron. Shaft, tunnel, 30,000 tons. refractory: steam. Peter Murcay, supt.
		The Henriett & Maid Consolidated Munna Co., cor. Fifth and Harrison 8ts. D. H. Molfat, prest.: G. E. Isass, Lewis, seey, and treas; Eben Smith, ngr. Cap. 8tk, \$1,500,000. Gold, silver, copper, lead, iron. Shatt, 55,000 tons; retractory, free, steam, electricity. J. J. Brown, supt.
**	11	1ron 8dver Minnig Co. Ashley Pond, prest.; Freeman Woodruft, seey., John Nicol, treas.; W. Atus. mgr. and supt. Cap. 8tk. \$10,000,000. Iron Silver, silver, lead. Shaft; refractory; steam, electricity.
	**	La Plata Mine Co., London, Eng. J. T. Hopwood, prest.; Henry Richards, seey.; Philip Argall, mgr. Cap. stk. \$500,000. La Plata, silver, lead. Shaft, 4,500 tons; steam.
		Lawrence, Hazlett & Co. Robt, H. Hazlett, mgr. Mahala, silver. Shatt. 20,000 tons; refractory, steam. Chas. Grimm, supt.
		Leadville Consolidated Mining Co., New York, N. Y., J. Broadway. Peter A. Hegeman, prest, C. A. Cameron, see, and treas, S. W. Mudd, mgr, and supt. Cap. sdk. \$4,000,000. Carbonate, silver, lead. Shall, 2,000 fors, retractory, steam
		Jesse F. McDonald & Fred. G. Bulkley. Cap. \$200,000. Penrose, silver, gold. Shatt, 20,000 tons, retractory, steam, electricity.
**		Morning Star Consolidated Mining Co., New York, N. A., 33 Brondway, W. B. Diekerman, prest., Justin A. Edwards, seey., H. K. Mellarg, treas., Ezra D. Dickerman, ingr. Cap. 8tk, \$1,000,000. Morning Star, silver, lead. Shatt. 7,200 tons. steam. Perley Dodge, supt.
**		Seneca Mining Co., Pueblo, Colo., care of Colorado Smelting Co. R. Ellers, prest., R. D. Dwight, vprest., W. H. Aldrich, seey, and treas., S. F. Parish, nigr, and supt. Cap. 8tk, \$00,000. Seneca, silver, lead. Shaft, retractory, steam.
		Small Hopes Consolidated Mining Co., New York, N. Y., 4 Broadway, R. C. McCormick, prest.; C. A. Cameron, seey, and treas., S. W. Midd, mgr. and supt. Cap. 8th, 85,000,000. Forest City, Robert Emmel, silver. Shaff, 25,000 from; free, steam.
		Star of Hope Mining Co., John P. Jones, prest., W. V. Carr, seey, and treas.; A. V. Bolm, mgr. Cap. stk, \$2,500,000. Star of Hope, silver. Shaft developing).
		Umon Leasing & Mining Co., Deniver, Colo., Roung 6 Jacobson Bildg. F. J., Bellan, prest, J. E. Price, seey, and treas., Rolit, B. Estey, ingr. Cap. 81k, \$500,000. El Paso, Olive Branch and others, silver, lead. Shatt, Stann developings.
		White Cap Mining Co. 1, K. Hamilton, prest; W. C. Hamilton, seey., A. C. Meriman, treas. Cap. 8tk., \$50,000, White Cap, Ocean Wave, gold, silver, lead. Shaft, 5,500 tons, retractory; steam. Jas. A. Shinn shift

Lenado Pitkin Ry, Woody Station 215.

Shum, supt. Pitkin Woody & Silver Creek Minling Co., Aspen, Colo. Henry Todd, prest; J. N. Porter, seev., treas, and mgr. com 25. Cap. stk. \$2,000,000. Eighteen claims, silver and lead. Timmel, refractory, hand. Win. Williams, supt.

Lincoln City Summi Ry Breckeni dge 776.

Summat Clark & Reithmann. Spring, gold, copper, iron, lead. Shaft, refractory, free; steam. C. P. Clark, supt.

Magnotia Boulder Ry. Boulder 776.

Augusta Mining Co., Boulder, Colo. Augusta, gold, silver. Shaft, 2,300 tons, refractory; horse. Wim. H Barber, supt.

C. Stowell & W. Lusk. Cumberland, gold. Shaft, retractory, hand. C. Stowell, supf.

Montezuma (c. E. Hawkius and others, Jumbo, Wilson, Wade and others, gold, silver, copper, lead. Tunnel, retractory, hand, J. J. Wade, supt. Mancos Rv. 215,

saratoga Mancos Gold Muniu Co. F. W. Stubbs, prest.; R. W. Miller, seey, and mgr., E. E. Humiston, Ireas. Cap. 8th, \$200,000. Hypolite, Golden Lake, Second Choice, gold, silver. Tunnel, retractory, hand. F. M. Buttain, supt.

LOCATION OF MINE, RAILWAYS, WATER ROUTES	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock,
AND SHIPPING POINT.  FOWN AND COUNTY	NAME OF MINE, KIND OF OIRE, BIND OF MINE, ANNUAL OUTFUT IN TOSS OF 2:00 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
Manhattan Larimer Ry, Fort Collins 776.	Atlantic Mining Co., Fort Collins, Colo., W. W. Suilivan, prest., F. 8. Smith, seey., C. Rogh, treas., Cap., 84k, \$25,000. Atlantic, Arkansas, gold. Tunnel, 1rec., mill.
wy, Porty offins par	Bonanza King Gold & Silver Mining Co., Denver, Colo., 1922 Larimer St., Granville Malcom, prest., Sau- lord Stork, seey., D. M. Maelen, treas., B. F. Barnelt, m2r., Cap. stk, 8500,000. Gold. Tunnel, free, water.
**	Free Gold Mining Co., Fort Collins, Colo. T. J. Montgomery, prest, and mgr., Edward H. Hall, seey, and treas. Free Gold, gold. Timnel developing.
**	Relief Minning & Malling Co., Fort Collins, Colo. Santord T. Hann'ton, prest., Clark Mojore, seey., A. W. Scott, treas., A. N. Hong, mgr., Cap. stk. \$250,000. Relief, Maggie, gold. Shaff, slope, steam.
	Seven Mile Mining & Milling Co., Fort Collins, Colo. A. H. Cratt, prest., J. R. Wills, seey., C. Rugh, treas., B. F. Burnett, mgr. and sapt. Cap. 8th, 825,000, Balmaceda, Lulu, Madock, Nora, 201d. Shatt, free, Steam, mill.
Marble, Gunnison Ry, Carbondale 215.	II. W. Anderson & Co., H. W. Anderson, prest., Evan Williams, seey. Evan I. Jones, treas. Cap. 8th, 82,000,000. Eclipse, Prince of Wales and others, sever, lead. Shaft, tunnel, retractory. II. W. Anderson, ing., and supt.
	Beardsley & McNuff. Detroit, Undine, silver, lead. Tunnel, retractory, tree-developings.
	Orphan Box Mining & Reduction Co., Denver, Colo., P. O. Box 256 [F. B. Curtis, prest, C. E. Curtis, seep., M. A. Daniels, Appers, and trens. A. M. Daniels, ngr. Cap. Sits, 85,000,000, Cuplain Box, Silver Purse and others, silver, lead, copper [Shaft, tunnel, 300 fors, reffractory, horse, A. M. Daniels, supt.
	The Scandinavia Mining Co. P. J. Billstrom, prest. J. J. Phillips, seev., R. G. Carlisle, treas. Chas. Efflstrom, ngr., Cap. stk. 8200,000. Silver King, gold, silver, copper, head. Shaft, tunnel, hand developing.
	Warrior Maning Co., Cineminati, Olio, 31 Pike's Bldg. C. W. Barke, prest, M. D. Barke, seev, and Iteas., Col. Samuel Buchtell, nigt, and supl. Cap. stk. Socioco. Warrior Quartitie, silver, lead. "Tunnel, shaft, free.
May sville Charles Ry, 215.	North Missouri Goup Maning co., F. B. Brewington, prest, angr. and. upt., Thos. F. Nelson, seev, and. treas. Cap. 8tk, 820,000. North Missouri Group, silver and lend. Shatts and tunnels, retractory, hand,
Mineral Point San Juan Ry, Ouray 215.	Silver Chord Mining Co., J. W. Cooper, prest. T. W. Gillman, seev., freas, and mgf. Cap. 8th 850,000. Silver Chord, afver, lead. Tunnel, 500 tons, retractory, hand. Adward M. Brown, 8u f.
	P. B. McIntyre & Co. (lessees). A mon. silver, gold. Shaft, 125 tons, retractory (hand,
	The San Juan Cher Mining Co., New York, N.A., a Broadway, J. J. Hall, prest. J. C. Bench, seey and trens. Ed. M. Brown, mgc. and out. San Juan Chlet, gold, saver. Shatt, foctors, retractory, steam, mill.
	$Attackey \& \ t \ onper. \ \ W \ \ t \ onper. \ \ May \ B \ , s \ Aver. \ gold = Shaft, 20 \ tons = tetractory, \ hand = J - W - t \ onper. \ mgr \ and supt.$
Moffat Saguache Ry, 215.	Mainosa Minniga, Mitting Co., Mainosa, Colo Min, M. Wykoff, pee, t. Z., Titrown, etc., Jino D. Webose, lan, treas. N. Sherard, mgr. and supt. Cap. stk. 81,000,00. The Nettle, gold, coppet. Shatt, mind they water, steam testamps developing.
•	Nash & Cartney Gold Dut, gold Shaft, finnel, care for the band, arrastic stamp full B. Cartney, supt.
	Colorado Smelling Co., Pueblo, Colo., Anton Filers, prest. H. C. Cooper, seev., W. S. Garrier, Reas, Cap., 84k, 8500,000. [Madouna, silver, lead.] Tunnel, 17,50 (100), 101 (100), 12, S. Dw.ght, 84pt.
	Jedjajes Silver Mining Co., St. Loms, Mo. (13) Olive at Alexa H. Lindey, prest. W. K. Spinney, seev. T. C. Smithous, Ireas., Charles H. Whott, migr. and supt. Cap. sik. St. 2000. Ledges, silver, lead Linned, homeotons, retractory hand.
	The Hunki Dorit ourschildred Salver Manni, Cook i heages, He, 1200 Lamber of commerce Hidg. How R. A. W. Fabor, prest., Hon. W. G. Smith, v. prest. Scherolan Salman, eds.). Cap set Selection. Brinking Witch's Head and others, silver, lead, copper. Janual retractory. La Experts Scannin.
Mt Snelffes Ouray Ry, Ouray 215.	Porter & Cooper - Cap (815,000), Mikado, Clara Belle, gold, salver - Lunnels, 2.5 tons - tree - tetractory, band,
Naturita Montrose Ry, Placerville 628.	Goulding Bros. Goulding, gold - Placer hydraulic
Nederland Boulder Ry, Boulder 776 (18 m	$\label{eq:continuous} \textbf{Coffins \& Garfield. Cap. 85,000. Bohaat, gold, silver. Tunnel, retractory, hand developing}$
14	De Lande & Collins: Cap. 85,000. Magains, salvet Shaft, 5; tons, retractory, horse
	Rockey Moore, Cap. 81,000. Next Best, gold, silver. Shaff, 1,000 tons, retractory, hand
Needleton L. (Plata Ry. 215.	Litte Jim Gold and Silver Minny & Milling to Probothy Kam. Col. B Pinkney, prest. Col. D. McKerchert seevy, J. S. Seltrosder, tracts. Cup silves, 2000. Little Jim, J. A. K. and others, 2000 silver, Juniel, shart tree, July N. Livengrood, supr.
**	James N. Livengood. Homestake gold, silver, copper. Tunnel, free developing
Nevada Gilpin P.O. Bald Mountain Ry, Black Hawk 576,	$Remetts(\mathbf{X},\mathbf{C}),  Rutroughs, gold, silver,  Tunnel, swetons, tree, steam,  W. T. Remetts, support to the support of th$
	O. H. Phuther, Gardner, Sidney B. Hawley, gold, "Shatt, retractory, tree "steam", Sidney B. H. C. & nigr, and supt.
Amountal, Toronto Son, Lorent	The District of the controller of the Lance Control to the Lance Control to the C

Niegolds Town San Juan J. S. Robenson, Howardsville, Colo - Linna, Leona, silver, Jead. Tunnel, 20 tons (10) (P. O. Howardsville).
 Nolan Park - Eagle Gleinwood Mining Co., Gleinwood Springs, Colo G. B. Gertsson, prest, C. W. Datter, SeeV. G. H. Lagle (P. O. Philorde Ry. Lagle (P. O. Philorde Ry. Ed. Korupkat, mg) - Cap. 8th Science (Cold Shaft, June). Bio. Startfold, spile.
 Bio. Startfold, spile.

## GOLD AND SILVER (CONTINUED)

	ATION OF	MINE, R ROUTES
AND S	HIPPING	POINT.
Town	AND	COUNTY.

North Star Gun Ry, Sargents 215.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL DUTPUT IN TOSS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

May-Mazeppa Consolidated Mining & Milling Co., Denver, Colo., Mining Exchange Bldg. Charles E. Taylor, prest, and mgr.: W. R. Rathvon, seey, and treas. Cap. stock. \$1,000,000. May-Mazeppa.

Gunnson Crymbler & Co., Buena Vista, Colo, David H. and others, silver, lead. Shaft: free, steam developing).

		silver, lead. Shaft, 4,000 tons, retractory, free: steam. John S. Olin, supt.
Ohio Creek -1', O, I'it City 215	кио ку. Ото-	Columbus Mining Co., Pittsburg, Pa., 541 Grant St., Jas., J., Flannery, prest.; T. J., Fitzpatrick, seey., J., L. McCornick, treas., J. M. Gardner jr., ngr., and supt. Cap. 8tk. \$150,000. Venango, gold, silver, Tunnel; refractory.
Ojo P. O. La	.Huerfano Veta (Ry.215.	Spanish Peaks Coffer Mining & Milling Co., New York, N. V., Room 9, 49 Exchange pl. W. M. McCarty, 1983. F. W. Klune, seey, and treas, B. F. Wayne, mgr, and supt. Cap. sfk, \$2,000,000. Gray Copper, silver, copper. Open, free developing.
Ophir Ry, 628,	San Mignel	M. I. Alkire. Mocking Bird, gold. Tunnet: free, 5 stamps.
	10	Carribean Muning Co., Holyoke, Mass. Moses Newton, prest.; J. A. McKinnon, seey, John C. Newton, treas., Charles S. Newton, mgr, and supt. Cap. stk. \$100,000. Carribean, gold. silver, lead. Timmel, 2,400 too.
		A. J. Clark & W. S. Green. Cap. \$100,000. Suffolk and Globe, gold. Timnels, 2,000 tons; tree; water, 5 stamps. A. J. Clark, supt.
		Deadwood Gold, Silver & Copper Mining Co., Mt. Vernon, Olno, J. B. Graham, treas.; Thos. Clingan, mgr., Deadwood, gold, silver, copper. Tunnel, shaft, refractory developing). Thos. Clingan, supt.
		Jattett & White. American, Frenchman, silver, lead. Tunnel: refractory; hand.
		Montezunia Mining Co. Moses Newton, prest., Chas, S. Newton, mgr, and supt. Cap, stk. \$60,000. Silver, 100 (ons.
		Ophir Needle Mining Co., V. O. Taylor, prest., M. W. Turner, seey, and treas. Cap. 8tk. \$2,500,000. Tidal Wave, silver. Tunnel, shatt, retractory. Thomas Clingan, mgr, and supt.
		Horafro Page: Cap. \$4,500. Little Dorret, Bleak House, silver. Tunnel, hand. J. B. Ward, supt.
		San Mignel Gold & Silver Mining Co., New York, N. V. Osceola, Golden Crown, gold, Silver. Tunnel, 100 tons. free, hand; 5-stamps.
**		Silver Belle Mining Co., St. Louis, Mo., 100 N. Main St. (E. S. Brooks, prest., J. T. Watson jr., seey, and freas. Gold, silver. (E. E. Bassett, supt.
	**	$M, P, Vaile, \ Cap, 850,000, \ Star \ Light, silver, lead, \ Tunnel, 1,000 \ tons, \ retractory, \ hand, \ A, J, Clark, supt.$
Ouray Ry, 215.	Ouray	American Gold Mining Co., St. Louis, Mo., 21 N. Third st. James Hopkins, prest., Frank Carter, seey, and treas, L. A. Funliam, mar. Cap. Sci. 83,000,000. American, Nettic, gold, silver, copper. Tunnel, shaft, 1,500 tons, retractory, electricity, water. Walter H. Bimer, supt.
.,		Barstow Minnig & Milling Co., Titusville, Pa. M. W. Qinck, prest, and mar., John J. Carter, seey, and treas. Cap. 8tk, \$1,000,000. Commodore, gold, silver. Tunnel, refractory, free; hand. Sophus Hos- singer, supt.
		Gregory & Scaberg (lessers). Silver Link, silver, gold, copper. Tunnel, refractory, steam. F. O. Scaberg, supf.
		The Midnight Mining Co., Sain, W. Gregory, prest, and treas., Geo, H. Kean, seey., P. J. Holingrane, nigr, and supt. Cap. 8tk, 8300,000. Midnight, silver. Shaft, steam (developing).
		Malwaukee Mining Co., Milwaukee, Wis., 669 Marshall st., John A. Hinsey, prest., O. D. Apple, seeg.; John Johnston, Ireas., William A. Hinsey, nigr., and supt. Cap. (b. 81,500,00). Milwaukee, gold. Tunnel. 15,000 Ions, Irree, water, 10 stamped.
		Old Dominion Mining Co., Denvet Colo., Ernest & Cranmer Block. Humboldt, Sailor's Fortune, gold, silver. Shaft, retractory, steam. John McMahon, supt
		8mon Oliver and Wm, Carey. Monument, Connecting Link, gold, silver, lead. Tunnel, 25 tons, 4rec.
		Pony Express Mining Co., Colorado Springs, Colo., 44 N. Fejon St., J. T. Jankholder, prest., L. H. Skinner, seev. and treas., G. W. Franklin, mgr, and supt. Cap. stk. \$1,600,000. Pony Express, silver. Tunnel, Li000 fores, refractory.
		Roefnester Consolidated Mining & Milling Co., Roefnester, New York, W. W. Spragne, prest., W. L. Perrin, scey, and trens., Tra E. Ackerty, mar. Cap. sik. \$1,000,000, U. S. Depository and Totox, gold, silver, copper and lead. Tomnels, 45000 from, tree, water, 10 stamps. George Robertson, supt.
		Saratoga Mining Co., St. Louis, Mo., 417 Olive St. E. C. Simmons, prest., W. K. Spinney, seev., G. L. Alfen, treas. L. R. Fry, ingt. Cap. sib., 81,000,000. Saratoga, silver. Tunnel, retractory, indl. L. R. Frys, supt.
		Shide Minning Co., C. M. Armstrong, prest., George H. Keam, seey. Cap. 8th &500,000. Shide, gold, 8ilver, Lunnel, 2,500 fons, refractory. Charles Aspergren, 8upt.
Park den Ju	Park ma Ry Lon- letion 776.	The Orphan Roy Hill Consolidated Mining Co., Alma, Colo., James Moynahan, prest, and mgr., Fremont Wood (att. seeg.), John M. Walker, tress. Cap. stk. 84,00000. Orphan Roy, Honey Conto and others, gold, stker, from. Tunnel, retractory, compressed are developing a James Miniham, sind.
		Thompson & Thompson, Alma, Colo. Sunny South, gold, silvet. Tunnel, to tons: retractory. John Thompson, supt.
Parrott Ry Hespi	La Plata 948 628 (5 m.).	$J,S/D/Hopkins\ and\ others.\ Morovorally, gold, silver.\ Timnel, shaft,\ tetractory,\ hand\ (developing)$
		The state of the s

Gunnison Avoca Mining Co., Aspen, Colo., J. E. Freeman, prest, and mgr.; F. A. Shepard, seey., H. W. Stormer, treas—Cap. stk. 81,000,000. Avoca, silver. Shall (developing). Blame Winning & Milling Co., Pueblo, Colo., G. T. Nash, prest. (O. W., Osgood, seey., Charles Rufer, freas., G. W., Grifley, mgr., and supt. Cap. 8tk, \$200,000 Jim Blame, gold, silver, lead. Shaft, funnel, free, land. Chicago Park Mining Co., Gamuson, Colo. S.L. Moyer, prest. J. S. Lawrence, seey., John R. Steele, treas - Frank W. Ferry, mgr., Cap. 8tk, 81,001,000, [Salver, Jead.] Shaft (developing).

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERIODIAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF MINE, KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2000 FOURINS, KIND OF POWER USER, NAME MILLS, ETC., AND NAME OF MINE SUFFRINGENDENT.

AND SHIPPIN	g Point.	Name of Mine, Kind of Ore, Kind of Mine, Annual Output in Tons of 2,000 Founds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine Superintendent.
Town AND	COUNTY.	OF FOWER COED, STAMP MILLS, ETC., AND SAME OF MINE SCIENCESTENDENT.
Pitkin.	Gunnison acd.)	Cheopatra Saver Maning Co., Chicago, BL, 4 Sherman St. Frank Drake, prest, and gen, nigr., Urank W., Ferry, seey., John Chilaby, treas. Cap. stk. \$2,500,000. Cheopatra, Mabansa and others, gold, salver, Shaff, tree, steam. Charles Obers, supt.
		G. W. Griffey & Co. Jessees). Nest Egg, silver lead. Tunnel, shaft, zotons, tree, hand. E. T. Davis, supt.
•••		The Hindon Mining Co., Pheblo, Colo., Central Block, Chas, B. Nicholson, prest., Frank C. Kaye, seey, and treas, John Liverey, mer., cap. stk. sl.como., Little Fred., Hindon No. 2, and Little Handon No. 2, 2004 and sliver. Shatt and hinder learner toy, band observed using A. A. F. Lessberg, supt.
		Lattle Tycnon Mining Co., Barlington, Iowa, sia Jefferson st. H. W. Chittenden, prest, Thomas Wilkin- son, seey, and treas, G. W. Griffey, mgr, and supt. Cap. stk. 800,000. Lattle Tycnon, gold, silver, lead. Start, Immel, 250 tons, Iores.
**		Mona Gold & Silver Mining Co., PRESburg, Pa. W., W., Murray, prest., J. F., Grunes, seey., O. F. De-Cosfa, treas., J. M. Gardner, mgr. and supt. Cap. 81k, 8500,000. Gold, silver. Tannel, placer, retractory, water, to stamps.
		The Quartz Creek Maning & Milling Co., Chengo, Ill., 173 Boarborn st. Henry Knight, prest., Frank W. Ferry, Sery, Albert S. Wright, treas. Cap sik 81,00000. No Name, gold, silver. Shatt, slope, 90,000 fors, tree, steam, electricity, mill. charles F. Wright, supl.
		Sacramento Consolidated Mining Co., Denver, Colo., 8454 (nest & Cranmer Eldg. George C Manty, prest., Wm. R. Money, seey, and treas. Cap. 8th 8theorem. Sacramento, Corvelon and others, gold, silver, Funnel, shaft, 300 tons. retractory, hand
	••	The Saturn Mining Co., Aspen, Colo. J. F. Liceman, prest, and mgt., A. A. Shepard, secy., H. W., Sformer, treas. Cap 8tk 81,000,000. Saturn, 8,3vet., Shait, developing
		Silver Islet Manng & Malling Co., Chicago, Ill., I Sherman St. Frank Drake, prest., Miss H. A. Dean, seey. John Cudally, 1993. Cap. 8tk, 8450.50. [Sherman St. Prester, sept. and others, gold, 84ber. Shall, Slope, Low-lone tree: "steam be stamps." James A. Prester, sept.
		Solitare Mining Co., Aspen, Colo., Aspen, Block, Boom 12, [J. L. Pecmain, prest, and mgr. [1], A. Shep-and, seeg. Our S. Moore, Reas. Cap. 8th 84,00000, Maggie F. Group, Silver, Shatt and fannel obeveloping. A G. Ward, supt.
		Statesman Mining Co., Aspen, Colo. Don C. Pollard, prest. A. A. Shepard, seey. Cap. 8th, 81,000,000. Statesman, silver. Shaft developing.
Placerville Ry, 628.	San Mignel	B. H. Hatt, Cap 82000 8 de, Nonpared, gold Shatt, drift water attastic.
**		Mt. Wilson Gold & Salver Maning Fo., Smithpott, Comp. 1 (* Sherwood, prest., O. I. Sherwood, seeg- and trens. Cap. 8tk, smol silver Tick, gold, silver. Tunnel, 156 fons. retractory, hand. J. F. Wannemaker, mer. and supt.
Portland. Ry, Piedmor	tuiray it 215.	J/W/Gtewell & H. G. Burt. Anna, Blain, silver. Tunnel (hand developing).
**		James Overman, Cap 845,000 Cascade, silver Shaff, 50 fors refractory steam
Pondre City P O Hou Collins 7	Latimet ie Ry Fort	Zummerman Bros. Cap 820,000. North Star, gold. Shatt funnel free water
Red Chit Rv 215.		Win. Dodsworth and others. Warriors' $Matk_{s, \#}(ad, s) v(t)$ . Refractory, developing
	**	Wm. V Gay. Cap. \$25,000   Bentietta, gold, silver, lead   Tunnel and slope   tree, steam
		Hans Harders, First National, 84, gold and silver. Retractory developing
		Charles W. Linsley. Little May, silver, lead. Shaft refractory, horse, hand developing
Rico Rv 628	Lindertons	A. B. G. Mitting Co., Entrisyntle, Colo. J. W. Buths, mgr.—Altorias, Alfa, A. B. G. and others, gold, silver and lead. Turnels, 500 fons, retractory steam. J. H. Wagsenler, supt.
	**	Consolidated Rice Return Maning Co., Denver, Colo., P. O. Roy (198) Julius Thompson, prest. W. F. Ostrander, seev. G. R. Gartison, Bras. Fouglas F. V. Browne, mgr., Cap. 848–82, 50,000. Gold-silver, lead., Funnel, Shaft, retractory, steam developing.
	**	The Grand Duke Minnig Co., 8t. Lonis, Mo., 647 N, Brird St. Lonis J. Hoffmars, prest. Caustavias S. Genn, seey., J. Sibby White, trens., Joseph Merelith, mgr, and supt. Cop. st., 880,000. Crand. Duke, Forest, Furcka and others, silver, gold, Ead., Shaft, futurel, 1500 fours. retractory. electricity.
		Haberman & Rhode. (Logan, Sherman and 4 others, 42,000 tons, tree, steam
		Iron Dollar Silver Mining Co., Pueblo, Co.o. C. I. Aleck, prest., J. T. Arthur, seey., J. J. Battis, freas. J. I. Hubbard, mgr. and supt. Cap. 8th 81,000,000. Iron Pollar, silver. Smatt. steam.
		Mind of Australia Mining Co., Cap. 8100,000. Mand of Australia, salver, gold, lead, iron. Shaft refractory, steam aleveloping. D. M. Evans, fig.t. and supt.
		W. W. Parshaff. Syndicate, gold, silver, lead. Tunnel Autocontput, 885,000
		W. S. Poundexter and others. Black Demon. Scirllover, Eadger, salver, gold, fead. France, shaft (refractory, steam). Albert Newton, supt.
		Rico Aspen Consolidated Mana, Co. David H. Modat, prest, Theor Smith, v. prest. L. D. Peterson, seev. A R. Roeder, treas. Doughts I. V. Browne, four and supt. Cap sike shootion. Aspen, Vesta: Wontevama and others, gold, salver and lead. "Sharts and funities, Loncetons, steam."
		The Southern Tunnel Co., W. W. Parshall, prest, and treas. A. T. Hathaway see you do high Coarts, near and supt. Cap. 848, 8200,000. No. 9, Hobo and others, salver, lead. Tunnel, sectors between the re-
		Mrs. M. A. Sprinkle, "Last Chance, silver," Shart, funnel of eveloping

Swansen Gold & Silver Mining Co., Denver, Colo., 32 Alaring Fishange Bildg. Charles Neumani prest and rigg. Win. I. Stephons, seey and Breas. Cap Sik Souroco. Swansen, Neumani Cheshu 2 gols silver Lead. Thindel 35 tons, retractory, stephons. Henry Mangader, sample Unde Ned Mining Co., Peter Meconor, prest., G. B. Gattrison, seey, and Breas M. Benry M. Ingenier at Cap Sik \$1,000,000. Vitteen claims, silver and lead. Shaft and funnel developing. J. B. Broones supp

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY.

# GOLD AND SILVER (CONTINUED)

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF MINE, KIND OF MINE, ANNUAL OUTFUT IN TORN OF 2000 POOUNS, KIND OF POWER USER), NAME MILLES, ETC., AND NAME OF MINE SUPERINTENDENT.

Rico. (Continue	Dolores d.)	Union Carbonate Mining Co. Union Carbonate, silver, lead. Shaft, slope, 5,600 tons; steam. A. T. Hathaway, supt.
	**	Wakeman & Hill. Princeton, Ethlena, silver, lead, gold. Tramel, 4,500 tons; refractory; hand.
Ridaway Ry, 215.		Bowls & Phillips. Cap. \$5,000. Gold, silver. Tunnel; refractory; hand developing). J. B. Frogley, supt
**	**	W. S. Tevis, Madona, Little Joe, gold, silver. Shaft; tree (developing),
Robinson Ry, 215, 776.	.Smmmit	Ajax Muning Co. Frank Owens, prest; J. F. MeDonald, seey.; John McConaghy, treas, and mgr. Cap-stk. 850,000. Ajax, gold, silver, lead. Shaft, incline, 4,000 tons, retractory; Steam. C. P. Schumaker supt.
	**	Fred, G. Bulkley, Cap, \$150,000. Bulkley Group, silver, gold. Slape, 2,500 tons. refractory; steam. Jesse F. McDonald, supt.
		Champion Mining Co. Champion, silver. Shatt, slope, 150 tons, refractory; steam, J. W. Woodford supt.
		Continental Gold & Silver Mining Co., Rockford, Ill. J. R. Lum, prest., C. D. Williams, seey.; H. E. Wheeder, trens. Battler, silver. Tunnel, shaft, 1321 tons: refractory, steam. J. W. Woodford, supt. M. M. Williams.
		Half Moon Mining Co. John McCourghy, prest, and mgr., D. H. Gallagher, seey., W. M. Clark, treas Half Moon, gold, silver, head. Shaff, slope obeveloping). New York Mining Co. New York, gold, silver. Shaff, slope, 5,000 tons, retractory; steam. Jesse F, Me
		Donald, Supt.
		Robinson Consolidated Mining Co., New York, N. V., 45 Broadway. John Jay White, prest; F. C. Poncher seer, and treas. Jesses F. McDouald, ingr. and supt. Cap. 8tk. \$10,000,000. Robinson, silver, gold Shail, tunnel, slope, 5,000 tons; refractory, steam.
		Sunshine Consolidated Gold & Silver Mining Co., Des Momes, Ia. L. A. Wilkinson, prest., Will Tone-seey., J. M. Shuck, treas. Cap. stk. \$500,000. Sunshine, gold, silver, lead. Shaft, to tons. retractory steam edeveloping.
		Woodford Rios, & Co., Denver, Colo., Mining Evelange Bilgs, F. C., Peck, prest., —— Blybell, seey, H. C. Frest, treas.; Woodford Biros, ingrs., Cap. stk, \$500,000. Diamond B, silver. Slope, shaft, 30 tons, retractory; steam developing. Walter C, Smith, supt.
Rockwood Ry, 215.	La Plata	John W. Morse, Durango, Colo. Red Point, silver. Shaft (developing).
Rollmsville Ry, Black H	awk 776.	C. V. Brinkenhoff & L. W. Lansing. Cap. \$10,000. Dirigo, Alma, Mia, gold. Tunnel, shatt; retractor, idevelopings.
		Roffin Gold and Sitver Mining & Milling Co. Cap. 8tk, \$5,000,000, undy, cap. \$200,000. Perigo, Gold Dir and others, gold, silver, lead, copper. Shaft, funnel, refractory, free, steam, water; 25 stamps.
		Victoria Gold & Silver Mining & Milling Co., Denver, Colo., 17 Jacobson Block. Frank H. Levering prest., C. V. Mical, seey., W. S. Estey, Irens, P. Peterson, mgr, and supt. Cap. 8tk, 820,000. Vic- toria, gold. Shaft, Jacob Lois, Pres. Scian, Testamps.
Romley Ry, 776.		Mary Miriphy Mining Co., 84, Louis, Mo., 406 Ehrist, W. R. Donaldson, prest; J. W. Wallace, seey, and treis, Cap. 8tk, 850,000. Mary Murphy, gold, silver, copper, Tunnel, shaft, 27,000 tons, retractory compressed air, mill, concentrators. J. H. Seek, mgr, and supt.
Russell Gulch : Ry, 776.	.Gilpin	Topeka Mining Co., Chicago, Ill., 410 Chamber of Commerce. Percy C Hamilton, prest, and treas., William Phelps, scoy., Henry P., Lowe, ingr. and supt. Cap. 8tk. \$1,000,000. Topeka Extension, gold Shatt, Li,000 fore; tree, retractory, steam.
Saguache Rv. Del No miles).	Sagnache rte 215/24	J. S. Sanderson. Fulton, gold, silver. Shatt, 480 fons, horse,
8t. Elmo Ry, 776.	Chaffee	Pat Murphy Gold Mining Co., St. Louis, Mo., 398 N. Main st. Cap. stk. \$3,000,000. From Chest, gold silver. Shaft, tunnel, 15,000 fous, retractory, free; steam, water, horse, mill, concentrator, Joseph Hoftschneider, mgr., and supt.
		Pawnee Mining & Milling Co., George Warren, prest., Henry Brown, seey., John McBride, treas. Cap-stk, Shaoo., Lady Murphy, Molhe, Pioneer, gold, Silver, lead. Tunnel, 5,000 tons, free; steam, compressed arr, 20 stamps. Henry Brown, spir.
	* 1	Byron E. Sheat & S. L. Johnson, Denver, Colo., 728. Sixteenth st. (S. L. Johnson, mgr. (Tressa C., gold silver and copper.) Shaft and tunnel, 1,000 tons, free; steam. (N. S. Ballock, supt.)
		Valcourt & Blonchorco, Cap. \$25,000. Gold Field, gold, silver. Shatt, 3,000 tons; refractory, tree, horse V. Blonchorco, supt.
Salida, Rv. Gold III!	Cliatice 1776.	Vietoria Mining & Milling Co., Denver, Colo. Ernest & Crammer Block, Room 80. Win. Brooks, prest, O.T. Avery, sevy.: E. W. Waybright, treas., R. K. Thayer, ngr. Cap. 8tk, \$500,000. Vietoria, gold am silver. Shafts, 350 tons, retractory, steam.
Sharpsdale Rv. Pueblo 5 wagon .	Huertano 5 miles by	Blake & Little, Silver Clift, Colo. Cap. \$3,000. Nagara, 201d, Silver, lead. Tunnel, 100 tons; 1efractory band. D. C. Blake, supt.
		$\label{eq:MeIntire Bros.} \ \&\ Mack.\ Deadwood, gold, silver, lead.\ Tunnel,\ free (developing).$
Sherman P.O. and Rv. 215.	Hinsdale Laket ity	Black Wonder Gold & Selver Mining Co., Boston, Mass., 244 Washington St. Hon, Mr. Watterman, prest, Mr. Stark, seep., J. Henry Allen, treas, E. C. Davis, mgr. Gap, Sike S. 2000,000. Black Wonder, gold silver. Shart, tunnel, difft, retractory (developmer, Albel A. Allen, supt.
Silver Cliff Ry, Cotopax	Custer ( 215.	Good Hope Aiming Co., Washington, D. C., cor, Ninth and F.sts. C.C. Clements, prest., Paul R. Van Mater-sery., Frank S. Williams, Iteas. Cap. 8tk, \$200,000, Good Hope, sliver, lead. Shatt, level. free horse, steam developing.
		T. W. Grasser - Augustus, silver, lead Shatt (developing).
		E. J. Haskell. Rueme Boy, Hudson, Jay Gould, gold, silver, lead. Open pit, shatt, retractory, steam
		40 stamps.

	GOLD AND SHIVER (Continued)		
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Oce, Kind of Mine, Annual Output in Tons of 2,00 Pounds, Kind of Power Used, Stamp Milds, Etc., and Name of Mine Sufferingendent.		
TOWN AND COUNTY			
Silver Cliff., Custer (Continued.)	A. H. Henning, Aug. Koppe & E. Burkhardt. Troy, silver. Shaft; retractory; hand,		
	Samuel C, Hunsaker, Black, gold, silver, Tunnel, tree, hand developing). International Mining Co., Pueblo, Colo., Rooms, 132 and 133 Central Block, O. A. Derby, prest. R. A. Crossman, seeg., John H Voorhees, treas., J. W. Williams, mgr. Cap. stk. 850,000. International, gold, silver. Shaft; free, stem. O. A. Derby, sipt.		
	S. F. Jordon. Powhattan, gold, silver, lead, Retractory; hand,		
	J. R. Thomas and others. Lewella, silver, copper. Shatt, 3 stamps.		
Silver Min Huertano P. O. and Ry. La Veta 245 (8 miles).	F. E. Colher and others, La Veta, Colo, Cap. 830,000. Trenton, Vankee Girl and others, silver, gold, Tunnel, shaff, 250 tons, tree. F. E. Colher, supt.		
	A. B. Morse & W. H. Chfford, Aduth M., silver. Shaft odeveloping c. A. B. Morse, supt.		
	Martin, Reed & Co., Cap. stk. 8:5,000. Wonderful, gold, silver. Shaft, fannel, retractory, horse, hand, Frank Martin, supt.		
	Rocky Mountain Mining & Development to, Pueblo, Colo, Too West Third 8t. H. W. Young, prest, and nigr., Geo. W. Gephart, Seev., A. V. Bradford, freus. Cap. 8tk, 81,000,00. New York, Chengo, 8tker. Shaft obeveloping.		
Silver Plume - Clear Creek Ry, 776.	Raftimore Mining & Milling Co., Denver, Colo., 1306 Eighteenth st., John Pithus, prest, and ingr.; William H. Emannel, seep and trea. Cap., 338, 850,000. Baltimore, silver, lend. Tunnel, shaft, steam. George Weyers, supt.		
	R. Orchard Old, Georgetown, Cobo. Cap., 8100,000. Mendola, Fulton, silver, lead. Shatt, funnel, 4,596 fons, tree. F. G. Chapman, sept.		
	Pay Rock Silver Mines, Ltd., London, Lugland. Thomas Hicks, prest., J. B. Palmet, treas. Cap. 84k, 81,000,000. Fax Rock, Silver Plane, silver. Finnet, shaft, L500 fons, retractory, compressed air, concentrator. John M.S. Egan, may and supp.		
	Silver Plume Consolidated Mining Fo., Lincoln, Neb., 1231-0-84. Robert N. Wharton, prest., John Gilles pie, sery., T. C. Kern, trens Cap. 8tk, \$60,000. Silver Plume, silver and lead Tunnel developing		
Silverton San Juan Ry, 215.	Annuas River Mining Co., McWankee, Wis , 4 Metropolitan Block, Cap. 8tk 8500,000, aless and Manne, gold, silver, lead and copper. Tunnel, tree, water adveloping		
	Bandora Munig & Milling Co., Colorado Springs, Colo., 1994. Knowa St., F. L. Mactin, prest, W. M. Har-rioff, seey., C. L. Node, Brass. H. H. Dannels, increamd supf. Cap. 848, 85,000000. Bandora, silver and gold. Tunnel, 200 four, retractory, slean.		
	A. R. Briggs, Brooklyn, N. V., 25 (anwood 8). Briggs, gold, silver and lead. Drift, shaft, retractory concentrator, J. I. Briggs, supt.		
	C. X. I. C. Gold & Silver Maning Co., Denver, Colo., 1734 Curtis St., F. Iward F. Lamb, prest, and mgr., K.G. Hilfen, seey. F. O. Taylor, treas. Caps 86 sagain. Gold, silver and Gold. Shutt, funnel. Jointons, tree and retractory, Science, E. I. Lamb, supt.		
	Kendall Mount Gold & Silver Mining Co., James I., Curtis, prest., Samuel II., Laird, seev, and Irras., Thomas II. Kane, mar., Cap. 8tk. 8500,000. [This ville, gold and silver. Tunnel, Pageorious tetractory, water, Steam, Ustanges, W. J. Kane, suppl		
	San Juan Minnig A Milling Co., New York, N. V., 65 F. Pron St., W. Shepard Lstey, prest, and treas., Win, O. Chapman, seev., J. E., Briggs, mag, and supl. (a.p. sik. 850,000. New York, gold, silver and lend, Drift, Shath, Lowtons, Brie, retractory water concentrator.		
	Twin Metals Mining & Milling Co., Paeldo, Colo., 22 S. Union av. J. L. Wood, prest., Obs. Remick, seev., H. M., Ward, Drens, and mar. Cap. 8th 8250000. Twin Medals, gold- and silver. Juniol. Tree and retractory, steam developing.		
South Creede, Rio Grande (P.O. Amethyst, Ry.215,	Margnerite Mining Co., M. A. Duystad, prest., Jas. McNamara, seey. Thomas Harlings, mgt., Cap. 8th, 800,000. Margnerite, silvet., Shatt, 300 tons, hand obeyloping.		
Stunner cone jos Ry. Alamosa 215.	Eurydiec Mining Co., Denver, Colo., cor. Seventeenth and Champa sts., Ernest & Cranmer Block Malcolm Anderson, prest, and seey., Col. II. C. Anderson, treas., Cap. stk., \$1,000,000. Linydiec, Louisa, gold and stdver, Shaft, Immel., Loui Guis, retractory, steam, 4, co. Dimmed, supt.		
Sugar Loat Boulder Ry, 776.	Bahlwin & Coins. Boomerang, Euclid, dasper, gold and salver. Shark tannel, 5c tons. Tree, retractory, hand. 8/8, Bahlwin, supt.		
	Beach & Pate Silver Fagle, silver and copper Shatt, slope (refractory horse developing), W. I. Beach, supt.		
	Geo, H. Chick, Pittsburg, Kan. Cap 8000,000, Tambourine, gold and silver. Tunnel, 500 tons, retractory, hand. Geo, H. Thompson, supt.		
	Norman Mills & W. E. Ayers. Gold Fish, North Wind, gold and silver (developing). Norman W. Mills,		
	Supt. Flullips & Wood, Boulder, Colo. Phillips, Sumnat, New Era, 20ld and Silver. Tunnel, shatt, refractory		
Sunset Boulder Ry, 776.	"developing", G. P. Wood, supt. Free Comage Munig & Milling Co., Denver, Colo., a. Masome Temple A. J. Severance, prest afters, and ugr., B. A. Ambler, seey. Cap. 8th 820,000. Free Comage, gold and silver Tunnel, glor lons arecordingly, hand, 40 stamps. J. E. Severance, supt.		
Sunshine "Boulder	Exodus Mining Co., Fast Liverpool, Ohio, P. O. Box 628, F. B. Croxall, prest. Geo. B. Harvey, e.v.		
ay, bonner ab.	Chas, E. Maetum, Irers., Jas. W. Kerr, mgr. Evodus, gold and silver, Shatt.humel developing Minnie Belle Maning co., Denver, et ol., 1512 Market st. C.C. Bendell, prest. F. W. Hermangsen seek and friends, John Fuller, mgr, and supt. Minne Belle, silver, and gold. Shaft, he to use refraction horses.		

 $^{\prime\prime}=4~H.~Pate,~tap, 810,000,~Laccul, Excelsior, gold.~Shaft, timnel,~tetractory~horse,~hand~developing$ White Crow Gold Mining Co., Colorado Springs, Colo. F. L. Mattin, prest., W.; udvet, seev. W. Fair-gess, Itens. W. J. Williams, mgr. and supt. (Lap. stk. 8750,000, White Crow, 201d. Shart, 500 four betactory, steam, concentratio).

Thomasville Ry. 26.

Im Cup

Ry, St. Elmo 776 (9 m.)

#### GOLD AND SHLVER-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER KOUTES AND SHIPPING POINT.		FAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL NIOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF TUP FOUNDS, KIND OF POWER USER, NIAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
TOWN AN	D COUNTY.	
	umont) Ry.	F. E. Platt & Ed. Bowden, Dumout, Colo. Cap. \$10,000. Left Hand, Eagle Bird, gold. Tunnel, 100 tons; free; water; 15 stamps.
Tellimide Ry. 628.	San Mignel	.Etna Miniug & Milliug Co., J. C. Weller, prest, and treas.; L. Jones, secy.; E. N. Weller, mgr. Cap. stk. \$100,000. Etna Group, gold. Shaft; free; water; Huntington mill. E. B. Weller, supt.
**		Bates & McEwen. Hidden Treasure, gold, silver. Tunnel; free; hand (developing).
		Belmont Consolidated Mining Co., Shanghai, China, A. J. Howe, prest.: Drysdale, Ringer & Co., seey, and treas.; J. A. R. Waters, mgr. Gap. 8th, 8500,000. Belmont, Tom Boy, gold. Tunnel, 12,000 tons, free; water, electricity, mill. J. S. Higgs, sup.

*1	**	Black Bear Mining Co. Andrew Werroner, prest, and mgr., Zach Anderson, seey.; Fred Krongvist, treas, Cap. 3tk, \$600,000. Black Bear, White Bear, gold, silver, lead, Tunnel, hand (developing), Andrew Werroner, 34pt.
• 1	**	Bohemia Mining Co. Bohemia, gold, silver. Shaft, tunnel, 200 tons; retractory; free,
	**	Bradley Mining Co., B. F. Lohnies, prest., J. L. Osborne, seey, and treas,; T. J. Wilkinson, mgr. Bradley, gold and silver. Tunnel, 1,000 tons, refractory; water; mill., J. B. Mitter, supt.
**	**	La Junta Muning Co. E. E. Runkle, prest, and mgr.; E. B. Weller, secy, and treas. La Junta, gold. Tun- nel, retractory; free, water; mill. E. E. Runkle, supt.
	**	Labores Miller & Osborn - Brailley gold silver lend - Tunnel 400 tons refractory hand - B. F. Labores

" John H. Mitchell. Cap. \$300,000. Silver Glade, silver. Tunnel, shatt; free and refractory;	
and the state of t	ery; hand.
" Mellie Mining Co. T. A. Davis, prest, and mgr.; O. N. Davis, seey., E. L. Davis, treas. Co. Nellie, Ella, gold, silver. Tonnel, tree. Gus Anderson, supt.	Cap. stk. \$500,000.

8an Mignel Consolidated Gold Mining Co., Benjamin F. Butler, prest., Elston Hoyt, seey.; Win, F. Reed, treas; L. L. Ninn, ingr., Cap.stk. \$10,000,000. Gold. Shafts and tunnels, tree; electricity, 150 stamps. E. H. Ferts, supt. Sheridan Consolidated Minurg X Milling Co., Ltd., Shanghai, China. G. James Morrison, prest.; Drysdale, Ringer & Co., seey, and frens.; J. H. Ernest Waters, gen. ingr. Cap. stk. \$2,000,000. Sheridan, Mendota, gold, silver. Shaft, tunnel, 22,000 tons, free, retractory, steam, electricity, water: 40 stamps: concentrator. Samuel Treats, supl.

- The Snuggler-Union Mining Co., Denver, Colo., 804 Boston Bldg. J. A. Porter, prest.; A. H. Fowler, seey, and treas.; N. T. Mandsheld, urg. Capestle, \$5,000,000. Snuggler-Union, gold and silver. Shaft, tunnel, 55,000 tools, retractory; steam, its stamps. Reduard Treese, supr.
- Pitkin Frying Fan Mining & Milling Co., Denver, Colo. Geo, J. Boal, prest. Cap. 8tk, \$500,000. Bessie, silver, lead. Shatt, retractory; steam (developing). W. E. Newberry, supt. McKinley Mining Co., Colorado Springs, Colo., Bank Bldg. Franc O. Wood, prest, and mgr.: Frank White, sees, and freas. Cap. stk. \$600,000. McKinley and Tariff Lodes, silver. Shaft developings.
- Gunnson Broken Hill Mining & Milling Co., Denver, Colo., 728 Styteenth st. J. L. Johnson, prest., James W. For 776 (94n.). rest, secy, and treas. Cap. 8tk, \$1,000,000. Broken Hill, gold, silver. Tunnet developing).
  - Forest Hill Mining & Milling Co. W. W. Wall, prest, Laurance Winshermer, seey.; C. A. Fredericks, treas., E. A. Ackerson, mgr, and Supt. Cap. 8tk, \$1,000,000. St. Crispin, gold. Shaft, 5,000 tons, free, water, 60 stamps. Gee Zee Mining Co., St. Louis, Mo., 566 Olive st. Solon X. Sapp, prest.; W. F. Hawley, seey., L. E. Roberts, treas. Cap. stk. \$2,000,000. Gee Zee, silver, lead. Shaft, retractory, horse. James L Perkins.
  - smot. Gold Cup Mining Co., Denver, Colo., Equitable Bidg. A. E. Reynolds, prest., C. F. McKenney, secy., A. Snedaker, ngr. Cap. stk, \$5,000,000. Gold Cup. gold, silver. Shaft, retractory, steam and compressed
  - John Hines. Maid of Erin, gold, silver. Shaft, free; hand developing).
  - Lewis & McCornnek. Wahl-McCornnek Group, gold and manganese (developing); free.
- Thomas H. Mastin & E. A. Hill. Queen of the West, silver, lead, iron. Shart, tunnel; refractory, band. E. A. Hill, supt.
  - Jerome Noakes. Big Clief, silver, lead. Tunnel, shaft, 300 tons, free, hand,
- C. F. Walif, Walif, gold. Tunnel, 50 tons, free, hand.
- Gunnison Thomas W. Berry Cap. \$5,000. Treasure Vault. Copperite, gold, silver, lead. Shaft, 5 tons, retractory. Tomichi. hand (developing). Ry. Sargents 215.
  - Magna Charta Silver Mining & Tunnel Co., Cleveland, Olno, 50 Euclid av. E. J., Farmer, prest, and mgr., James Eng. Farmer, seey.; John N. Stockwell, treas. Cap. 848, 82,500,000. Magna Charta, gold, silver, lead and copper. Tunnel, 30,000 Forms, steam, water and electricity, concentrating mill. O. U. Akims.
  - Olno & Colorado Mining Co., 201 Superior St. A. Teachout, prest., J. Nesbit Wilson, seey, and mgr., James A Anderson, treas. Cap. 8th, \$2,200,000. Grey Copper, Little Minine, Topeka and others, gold, silver, lead. Tunnel, refractory, steam obeydoping).
- Trout Lake San Mignel San Bernardo Silver Mines, Ltd. Percy W. Thomas, prest., Alfred E. Wesley, seeg.; Francis A. Vouillon, By San Bernardo 215. [Frest. Cap. 84k, 8730,000, San Bernardo, 84ber, feed. Tunnel, 5,000 tons: refractory, water, electricity, concentration. J. W. Mason, mar. and supt. Wm. M. Tucker, St. Lonis, Mo., 549 Paie st. Clara, silver and lead. Tunnel, 51 tons, retractory, hand.
- Jake J. S. Booco, Cap. \$50,000. Sherman, Cleveland, gold, silver. Tunnel, top tons, retractory, hand, Twin Lakes Ry. Granute 26, 215, 18 males.
  - Cornelius Bros. Tancoln, Blaine, gold, silver, bismuth. Tunnel, retractory, hand developing a
    - Warren Cutler & S. H. Leister, Cap. \$8,000. Betsy S., Solid Com. gold, silver. Tunnel, 40 fons, retractory and free larse. S. H. Leister, supt.

### GOLD AND SHLVER "CONTINUEDS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.			NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK.  NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IS 1088 OF 2,000 FOUNDS, KIND
Town	AND	COUNTY.	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUFERINTENDENT,
Twin	Lakes. Continue	Lake	John W. Dixon & Son, Wanamaker, Little Joe, gold, silver. Tunnel, shaft, tree, hand. Charles H. Houser, supt. Nane index to railway.
		**	Fall River & Colorado Mining & Milling Co., Fall River, Mass. H. Francis Lawton, prest, C. A. Bugbee-seey., Geo. T. Durtee, treas., Ambrose W. Thomas, Ingr. and supt. Cap. six 81,000,000. Hirstle-Goldsmith and others, gold, other. Shaft, Uninel, open pd., tree, water, Itostamps.
			G. R. Garland & H. N. Garland, O. K., Portland, silver, lead - Tunnel, retractory developing ,
**			Gold Bug Mining & Milling Co., Aspen, Colo. Frank S, Ricc, prest., C. A. McBriarty, seev. Geo. Rust. Beas., Ld. C. Ricc, ingl. Cap. 8th, 8750000. Gold Bug, gold. Limitely slope, L.2001008, Tetractory and tree hand. Win. P. Remine, supt.
			Hatlan & Co. (Keatsage, Comstock, Free Comage, gold, (Tunnel, shart, tree), water (developing).
**			Thus, Henneberry Sunset, Little May, Black Venus, silver, gold, lead. Shaft, finnel, retractory water
			Wm. Her. Cap 875,000. Mount Phot. Ontatio, gold. Tunnel, shaft retractory developing-
**		**	John McDonald. Mountain Box, salver. Tunnel, 50 tons, retractory, hand. Twenty miles to railway.
			Mt. Elbert Maning & Milling Co., Benver, Colo., 3,44 (need & Cammer Block - James Leonard, prest - F. C. Calman, Seevy, A. H. Weber, (reas.) C. A. M. Braatty, (ng.) (24); 8th 83,000,00. Gardon, Benga Inger, gold - Junnel, Justicias, (rec. water, steam, Reslamps - Joseph Hartt, sup.)
			M. R. Mining & Milling Co., Galesburg, III. Auron Rhodes, prest. J. H. Calkins, seey. R. I. Davis Heas, Cap. 8th 80,000. Gold and silver. Tive stamps
			Silverthorn Tunnel Co., Leadvalle, Colo., P. O. Baddung. Dr. J. A. Silverthorn, prest, and treas, N. Rollins, Sevi., I. R. Shaver, agg. and Supt. Cap. sik. 8,200,000. Vankee Gul, I mini and others, "Tunnel, terhadory, tree. Land. developing."
			Stages, Quantiance & McDefinot - Confidence, Eallarat, Great Cesar, War Eagle, gold and silver. Shart funnel, slope - free - hand - developing J. II - Stages, sopt
	nus c. Ouray 21 n Wheel G		Old Dominion Mainig Co., Denvet, Colo. J. B. Prec, prest. J. B. Larish, mgr., Cap. 8th, 8500,000. Humboldt, Saider & Fortune, 8 Feb., Shaft, tunnelle knowledge Steam, John McMahon, supt. Denve Mainig & Marie & Mari
	215.	o Grande	Theorie Mining & Willing Co., Denver, Co.), 64) Fremont 80. The row Wildowson, prest. William to Asslessed Chambery Hair, 164 (We aim R. Fartt beginning), rap. Cap. 85, 820,000. Theories, 250 and 8399). Shaft, family band developing [a R. Walers, 849].
,			Rider Haggard Mitting Co., Frank F. Price, press. Bela I. For it sees, Aosep. P. Hanna, treas. J. W. Malbury, mgr., cap. stk. Stoerco., Ender Haggard, Zulin, She, He, silver. Tuttinel, Shatt, slope, re-tractory, Poiss, Jonal Joyy, epol.
Ward Ry	Instrict Sunset 7	Boulder 76 4 m .	Fred L. Ames, Roston, Mass. New Market, gold and silvet. Small, tree: steam
			Bestes Milling & Manua, Co. Bowher, Colo. W. I. Bates, prest, and negr. O. W. Stone, seev. and trens. Cap. stk. 8 (2006). Baxter, gold. Shaft. Dec. 46 stamps. J. R. 86 (108) 8 (pt.
			John T. Dengar, Dew Drop Lodd, salvet and copper (Traine) shaft sectors are steam.
			Edward Hart von Einer vold und sitzer Shart, if nier vorbuse troc to stamps. Hedraz & Cor Cap Support Collandera, vold und seitzer Shart, if owe for script in force steam it stamps. W. W. Humans, Suppl.
			Madeleine Consobilated Manna X Milling Co. New York, N. V., i Nassan, it. Walter M. Smith press. Challes H. Wight seek and treas. I. Kentvon mall and sept. Capesthes Propose. Madeleine gold silver am deopert. Shall, however, the form to estamps.
			R. Z. Mason, Capes 1999. Park Powhattan Grant, gold and s. vet. Shatt socious, they steam
			Puzzlet Gold Winn, X.W., n., to , Bonnet, to o., R. A. Dens as post and n., i. Charles H. Wisse serve and treas. Cap sik 8,00,000. Puzzlet, 2004. South fining. The steam forstonings. R. A. Done in single.
			John Schall Cold Shatt (to) steam developing of Clioyd, supr
			Utea Minnex Willing Co., Philadelphia, Pa., ons Chestriat St., L. H. Kline, M. O., prest., J. Qianov Hen- sieker (seey) Jos K. Davison, treas (exp. stk. storono). Utea, 2014. Shatt formerforus, free retra- teivy restamps. John S. Red., sept.
			H. J. White Pennsylvania, gold Tunnel tree
			Wirth & Hiddigs - Morning Star Extension, goal and savet - Shart 150 has bepractory steam. If it, Wirth, supt
Wester Ry	lifte Cotopaxi	r uster 215.	Built Domatics Manting & Leasing Co. Wing M. Lent, prest [8] Z. Dickson, sect. and mad. Hency H. Lompkins & Co. 1975. Cap. 8th, Stoucon, Built Domatics silver annocad. Shall, according to steam. W.H. Lamis, suppl.
White	Uross Lakott ity :	Hansdale (C-22m	Bon Houme Mining Co., New Orleans, La., (Land 2081) that less t. [J.] A cook, prest [John Glein] if seek a Land Linnett, Dears [J. L. Stein ook mil.] and sapt. Lap stw. st. 000,000. [Eur. Houne, J. P.] carrand others, gold, silver, copper. Scall finance (Charlotty).
			Robert Kissonki, Cap \$10,000 Bald Fagle Main, and salver Shatt, Selvers are receipt and se
			White cross Mining & Willing Co., Geo. W. M. Harl, prest. H. J. Ripley, selv. and treas. Al. 1. C. Id. no.). Cap. sik 8200,000. Allimos Roy sayver. Shart, Conc.
	Pine, 6 Surgents 2	Gamuson 25 12m .	1. P. Bonnell Superior, Neb. Silver Cold, gela silver copper, lead. Shatt terractive steam colocide in
			Denvert (ny consolidated Maning Co., Pheldo, todo, 1978 into Legay (C. I. Wall, prest - 1976). Hole of serving them, Ward V. Handley mgr and sept. Cop. stf., \$200,000. Dervert by solven production, steam.
			Matchless Manug Co. S. Mathiews, prest J. P.A. seev. T.A. Wingeland trees. A. R. P. normal and State speam developing.

Nash & Edgworth - Cap. \$5,000. Ro Dester, silver and lead. Transfesh it covers as a con-

### GOLD AND SILVER (CONTINUED).

LOCATION OF MINE. RAILWAYS WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICEDS, CAPITAL STOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND COUNTY

White Pine

Gunnison Porter & Pearce, Cap. \$10,500. Mointor, lead, silver, 200 tons; free, steam,

(Continued,

Dick Tullar. Lilley, silver. Shaft, drift, slope, 150 fons; steam. Woodland Park, El Paso Quaker Girl Milling & Mining Co. A. B. Hackman, prest.; Geo. I. Bentley, seey.; John Anslield, treas.;
 Ry. 26. H. D. Hackman, mgr. Cap. stk. \$1,000,000. Quaker Girl, gold, silver. Shaft; free; hand (developing).

Woodland Park Mining Co. A. B. Hackman, prest.; Geo. I. Bentley, seey.; N. W. Terrill, treas. Letta, gold, silver. Shaft; hand developing). M. M. Baldwin, supt.

### GYPSUU

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Tows AND COUNTY

Larimer, A. Wild, Cap. 840,000, Gypsum, Open, pit. 6,000 tons, steam, water,

Ry, 776. Pareido RV, 26, 215, 420, 776.

Loveland

Pueblo Pueblo Cement-Plaster Co., 102 W. C.st. Geo, Holmes, prest., J. C. Utter, seey., Geo, F. Harpster, treas.,
 A. C. Damels, mar. Cap. stk, \$90,000. Salt Creek, gypsum. Open, ptf, 20,000 tons. steam, cement mill, 20,000 tons. R. H. Gamdalf, supt.

### IRON

LOCATION OF MINE RAILWAYS, WATER ROUTS AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Tows OND POUNTY

Chaffee Colorado Coal & Iron Co., Pueblo, Colo., B.st., Edward J., Berwind, prest.: Thos. E. H. Curtis, seey, and Ry, 215. E. M. Steck, gen, mer. Cap. stk. \$10,000,000. Calomet Mine. Trumel, 50,000 tons, green mag-netic, steam, 3 furnaces. T. 6. Butler, supt. (P. O. Salida, Ry. 215.

Colorado City Rv. 215

Fl Paso The Fte Pass Paint Co. Ward Hunt, prest.: J. B. Glasser, seey., M. J. Myers Smith, treas., B. C. Hubbell, mgr. Cap. 8tk, \$150,000. Red Ruby, red oyide. Shaft, tunnel oleveloping).

Jamestown Ry. Boulder 776 14 m.s. Lyons 88 40 m.s

Boulder W. B. Clemens. Argo, lead, iron. Shaft, 50 tons, retractory, horse,

Ry, 26, 215, 776. Orient Sagnache (P. O. Villa Grove, Rv.

Leadville

Take Breece Mining Co., New York City, 115 Broadway. Chas, A. Rogers, prest., Henry Bradstreet, seey, and Breas., J. H. Fletcher, mgr. and supt. Cap. 8tk, \$5,000,000. Ben Franklin, Win. Penn, Philadelphia. red hematite. Shatt, open.

Sagnache Colorado Coal & Iron Co., Paeblo, Colo., R. 81. Edward J. Berwind, prest., Thos. E. H. Curtis, seey, and drove Ry. Trans., E. M. Steck, sen, mgr. Cap. 8th, 80,000,000. Orient Mine. Tunnel, 50,000 tons, red hematite, steam, furnaces, T. B. Butler, supt.

### KAOLIN.

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT COUNTY Lows

New Castle

Garfield New Castle Kaolin Minnig & Manutacturing Co., P. C. Coryel, prest, and mgr., Max. L. Shayer, seey., J., W. Ross, treas., Cap. stk. \$50,000. Kaolin Lode. Tunnel; steam., P. C. Coryel, supt.

Ry. 26, 215 Silver Cliff. Ry, Cotopaxi, 215.

Custer, W. G. Washington, Washington, kirolin, Open, 900 tons,

### LEAD AND ZINC

LOCATION OF MINE RAILWAYS, WATER ROUTES and Shifping Point.

AND COUNTY

NAME OF COMEANY OF INDIVIDUAL, LOCATION OF PRINCIPAL UFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORF KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

LOWS

Summit Polil & Co. Homestake, galena. Shaft, drift; steam,

Robinson Ry 215, 776 Salver Cliff

Custer Faske Bros. Susan Jane, galena, lead. Tunnel, hand developing. August Faske, supt. By Cotobaxi 95.

### MICA.

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND

COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Boulder Ry, 776.

Town

"Boulder" Mica Monarch, Mining Co., Denver, Colo., 1025 Seventeenth st. W., Geo, N. Brown, prest., C. H. Emnons, seey, and treas. Cap. 8tk. \$250,000. Mica Monarch, mica. Tunnel and drifts.

#### PLATINUM.

LOCATION OF MINE. BAILWAYS, WATER ROUTES AND SHIPPING POINT.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, AND NAME OF MINE SUPERINTENDENT.

COLNEY. V zentum Lake City 215.

Hin dale, M. E. Holland & J. H. Brown, White Cross, Colo. Dexter, platinum, tim, mckel. Tunnel, 10,000 tous P. O.White Cross Ry.

STONE, MARBLE, GRANITE AND ONYX Location of Mine or Quarry, Railways, Water Roc and Shipping Point NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL CITIES. DAMES OF OFFICERS, CAPITAL STOCK 'Rouris NAME OF MINE OR QUARRY, KIND OF STONE KIND OF MINE OR QUARRY, AND ACCUPITED TOSS OF 2001 POUNDS, KIND OF POWER USED, STONE OF MALLY MILES, LIMERIUS AND CAPACITY, PTC., AND NAME OF MINE SUBJECTIONS Torres Corrects The Colorado Alabastet Co-Denver, Colo. H. C. Russell, prest., John D. Browniec, secy., treas, and mgr. Cap. 8tk, 800,000. Patran, Ute Park, Chy, Summit. Tunnel, open pit, band, horse. Chas, Buchanan, supt. Vlabaster City Fremont P. O. Canon City / Ry Beiver Creek Fremont Thos Kelso. Thompson, lime. Open hand Rv. 215 Boulder Ry, 776 Bouldet Struthers & Smith, Gen Canon, red sand-tone. Hand, horse, mill, soo tons, Castle Boek Douglas John Andetson, Denver, Colo., 15to Seventeenth st., Cap. 850,000. Palmet, lava building stone. Open, 3,800 fors, hand. Chas. Westman supt. Ry. 215. Castle Rock Stone Co. Denver, Colo., Edo Arapallocest, J. Thomas, prest., S. T. Hathaway, mgt. and supt. Cap. 8th, 820,000. Lava stone, white, pink. 35,000 tons. The Dougla's Laya Co., Colorado Spring, Colo., Gazette Bldz - P. W. O Brien, prest, and mgr. - 1, 3-1 (sher, seev) and treas - Cap. sti. 850,000 - O'Brien, Palno Clava - Open pit, slope - W. F. Sharp, supt. tie Bernie Mesa De Requé Mining Co., John Moore, prest, and ingr., W. J. Moore, seev. and treas. Cap. 8tk, 860,000. De Reque, sandstone. Steam. 10,000 forts. John Moore, supt. Rv. 215 Delta J. A Beatty (cap. 8-5). Red sandstone: Open, 500 tons, horse, hand Ry, 215. Forts ofbu-Faruner The American Red Stone Co., Chicago, Rf., 119 Chamber of commerce: J. 8-1. Ratchin, prest and ingr., C.s. Johnson, seey, and treas. Cap 8tk 8150000. Pleasant Valley, red sandstone. Slope, 25000 four steam, 1.4, Johnson, supt. Ry 776 Chaffee: Harty I. Acker, Monarch, Colo. Cap. 800,000. Taint Hope, Napoleon III, Josephine, marble and limestone Rv. 215. — Tunnel, shaff, horse, hand, 1,750 tons, himekiln, 5,000 tons. Carlield (P.O. Monatch, Rv. 215. Guineson, Goddis & Sectic, Denver, Colic, Seventh and Market sts., South Park, Aberdeen, grainite, Steam Contrison C. F. Sills, Gamnison, Color, on Arrainia av. and Wisconsin st., Cap. Scott. White Wood, Innestone, Slope, 4,000 tons, hand,

Boulder Pullium, Dewey & Co., E. I., Pullium, prest., M. C., Dewey, seey., S. Dewey, freas. Cap. 8th. \$20,000. Fair View, flagging. Open, hand, 650 fors. A. L. Pullium, supt. Rv. 26. Commison. Evans Williams. Coloted Marble, Silver Oneen, slate, marble

Marbbe , Rv. 26, 245

Marble City Quarry Co., Philadelphia, Pa., 631 Arch 8t - R/H Kline, prest - A/P Douglas, seev-k\*line, freas. A/J Mitchell, mgr - Cap 8th 85,000,000 - Marble - Open, shaft, funnel, electracty.

Pithin The Miller Creek Land & Lime Co. Fdward F. Browne, prest., F. R. Beard, seey, and treas... A A. Beard, blur Lyen, 1621 (eq., star Speciel). A Miller Creek, Innestone. Open, 5000 fors, gravity trainway, him kith, 15000 fors. F. I. Benner, supt. Maller Creek Pitlan P.O. Hiomasyille Ry. 90

Eagle. The Peachblow Sandstone Co., Denver, todo, old Boston Ridg. W. B. Devereux, prest. S. M. Mamler mgr., Cap. stk, 800,000. Red sandstone. Steam, mill. Peachblow IN. 26.

Platte Canon Jefferson M. H. Blodgett local., Limestone, Shatt Junekiln, 200 tons, Hv. 776

Carl Brachne. Cap. 826,000. Jefferson County, white sandstone. Open, more tons, hand,

Puchlo Pueblo, A. T. Pishet, Cap. 810,000, Cape Horn, June and sandstone. Open, 75,000 Jons, steam, mr. T. tunekilin. Ry. 215.

Ridgway Ry, 215. Ouray R. C. Carr & Co., C. C. Carr, prest. W. Lewis, serv., C. Patters, freas. R. C. Carr, m.gr., and supt. Cap., 8tk, 8t,000. Bluestone. Open. htmck/fb,500 tons. Wilcox Brothers. Cap. 83,000. Dallas, Star Light, brown sandstone. Junnel, 90 tons. hand

Thomasyille Pitkin Perry A. Kalbough, Cap. 810,000. The 99 Junestone. Open, 24,000 tons. hand, 86 nm. himekilo, 6000. Ry. 26.

## CONNECTICUT

### COPPER

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TOSS OF 2,000 POUNDS, KIND OF POWER USED, FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT

Bristol liv. 513. Hartford Bristol Copper & Silver Mining Co. Col. Walter Cutting, prest.: E. G. Hubbel, seey., treas, and mgr. — Cap. stk. \$500,000. Bristol, copper, silver and pyrites. Shaft; steam; mill.

### STONE, MARBLE, GRANITE AND ONYX

Loc hos of Misi or Quarra, Rah ways Waler Routes and Shipping Point. 2 ame of Company of Individual, Location of Principal Office, Names of Officers, Capital Stoc... NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANSUAL CUTPUT IN TORS OF 2000 FOUNDS, KIND OF POWER USED, STONE OR MARBLE MILL:, LIMEBILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT AND

mford New Bayen Stony Creek Red Granute Co., Samuel Babeock, prest., Everett S. Grant, seey., George Pierce, freas, and Ry Stony Creek 504. mgr., Cap. stk. \$150,000. Red Hill, granute. Slope, steam, horse, hand, W. W. Kittredge, supt. Brantord

Pairfield, F. W. Beers, 401 Broad St., Cap. 810,000, Old Mill. Slopes, 7,000 tons, stema. Geo, Bradley, supt. Bridgeport Rv. 480, 504

Middlesey Connecticut Prec Stone Quarry Co. Robinson Gill, prest., Frank W. Bliss, seey., Oliver W. Mack, treas, and mgr. Cap. 8tk, 875,000. Free Stone, brown. Open pit, steam. cromwell. Ry. 431, 504.

New England Brown Stone Co., H. Wales Lines, prest., E. B. Cowles, seey., A. Chamberlain, treas. Cap., stk, \$250,000. New England, brown stone. Open pit, 150,000 tons, sterim. W. F. Ranney, supl.

Dambingy Rv. 312, 543 Figured Carpenter Bros., Port Chester, N. Y. docab. Cap. \$10,000. Gneiss, Open, pit, 20,000 tons, steam,

Fairfield The B. D. Pierce Jr. Co., Bridgeport, Coun., 273 Main St. D. B. Pierce pr., prest, and treas. T. B. Hastings, Apprest., J. J. Anderson, seey. Trap Rock, Irap rock. Open pit, 30,000 tons, steam. Ry. 504

Hartford, H. R. Brooks, East Glastonbury, Conn., Cap. \$100,000. Nipsis, Lily Pond, gray gramite. Open pit, 1,000 Ghistonbury Ry. South Manchester 513. tons, hand

Farneld John Voorlus, New York City, N. V., 403 E. Forty-second st. Cap. \$75,000. Greenwich Stone Quarries, grande. Open ent, L5,000 tons, horse, John Smith, supt. Greenwich LO. 187

Guiltord. New Haven Darwin N Benton, Sachem's Head, granite, Steam, RV, 504

Leetes Island, New Haven, John Beattie. Cap. 8100,000. Beattie, granite. Open pd. 18,000 tons, steam Ry. al., 504

Middlesex Columbia Grande Co. J. G. Murphy, prest., A. S. A. Himmelwright, secy., W. A. Engeman, treas. Cap. 8tk, \$50,000. Benyemie, grande. Open pit. steam developing). Middletown Ry. 504

Whitmore Bros. N. H. Whitmore, negr. Cap. 8tk, 840,000. Maromas, Quarry. Open pit, 200,000 tolls, steam.

Middle sex Bramerd Quarry Co. Le Roy Bramerd, prest, and mgr., Frank Bramerd, seey, and treas. Cap. 8tk. 8440,000. Bramerd, brown stone. Open pit, 45,000 tons, steam. Portland. Rv. 187, 504

Middlesev Quarry Co., Murray Hill Hofel, New York, Ferdinand Gildersleeve, prest., Chas. A. Jarvis, seey, and freits. J. W. Russell, ingr. Cap. 84k, \$500,000. Middlesev, sandstone. Open pit, 40,000 foirs, Stein, horse, band, initl.

Shaler & Hall Quarry Co., John H. Hall, prest., W. H. Edwards, seey, and treas., Fred Deingr., Cap Stk. 8100,000. Sandstone. Open pit, 50,000 tons, steam. Samuel B. Whitby, supt.

Antehheld F Mower & Co., Cap. 875,000, Mine Hill, granife. Open pit, 90,000 fors. horse. R. T. Blades, supt. Roxbury Litchfield P.O Roxbury Station-Ry Roxbury 669.

stornington New London Almray & Co., Westerly, R. I. Cap. stk. 85,000 West Side, granife Open pit, 5,000 tons, steam,

Litehfield, Frank P. Bolles, New Milford, Conn., Comstock Quarry, Slope, 100 tons; hand, Ry. Cornwall Bridge at2.

Waterford New London Davis Bros., Number Conn. Winter Davis, mgt. Cap. 845,000. Davis Gramle Quarries, white granute By 504

Windham , Windham Ry William the 120, Windlam Edson & Calkins, Willimantic, Conn., Quarry st., Granite. Open pit, 10,000 tons, steam and hand, Ry

## DELAWARE

### STONE, MARBLE, GRANITE AND ONYX

Location of Med or QUARRY, lateways Walfieldown and Shipping Polys

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALITAL STOCK NAME OF MINE OF OTAGRA, KIND OF STONE, KIND OF MINE OF QUARRY, ANNUAL DUTPUT IN TORS OF 2300 POUNDS, KIND OF POWER USED, STONE OR MARRIE MILLS, LIMPRILNS AND CAPACITY, ETC., AND NAME OF MINL SUPERINTENDENT

Wilmington New Ca-Pe Brandywine Granite Co., Wilmington, Del William M, Field, prest and treas., Merrick Horn, seev By 42,565, 820 Cap. stk, 800000 Granite, 425000 tons steam, horse, hand, George Patterson, supt.

John H. Flamer, Wilmington, Del., 4to E. Lleventli st. (cap. 81,50). Brandywine Quarry, granife. Open nat, 2,000 tons, horse, hand

## FLORIDA

### KAOLIN

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC. AND NAME OF SUPERINTENDENT.

Bloomfield RV. Leesburg 263 and 265,

Bloomfield Kaolin & Phosphate Manng Co. Col. Alex. Lynch. prest., Hon. H. J. Anderson, sery. Col. V. J. Shipman, Iteas., J. S. Warner, ngr., Cap. 8tk, sannon. Developing.

### MINERAL PAINT

LOCATION OF MINE RAILWAYS, WATER BOTTLS AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CARLOS SIGKL, NAME OF MINE, RINGO OF FROM SUBSTRUCTURE TO THE TOTAL OF FOR THE CARLOS FROM SUBSTRUCTURE TO THE TOTAL OF FORM IN USE TO A AND NAME OF MINE STRUCTURE TO AND NAME OF MINE STRUCTURE AND NAME OF MINE S

albe — A olu sar Florida Iron Muning & Manutacturing Co., Or, ando, The R. H. Peak, prest. H. H. Dickson, seev. Cap. Ry, Campbell's 8ta, 42. — stk. \$500,000. Fertro manganese and veltow or her — Open

### PHOSPILATE

LOCATION OF ME A RAIDWAYS, WALLER ROLLES exp. Sum risg. Poisa

NAME OF COMPANY OF EXPLORATE CONTROL OF THE TAXABLE OF OPENSORS CREEKE STOCK, NAME OF THE CONTROL OF THE CONTROL OF POSSORS KIND OF FORM A LAST CONTROL OF MINES SERVICE AND MINES SERVICE MENTAL STRUCTURE.

Rv. 265, 691

Polk Massachusetts Phosphate Co., Port and Me. John F. Aarbell, prost. C. L. A. en, seev. and treas. John F. Ross. m2r. Cap. stk. 81,000,000. Massachesetts pebble. Open. steam. in H. (10,000 tops) James Ross, supl

I inted States Phosphate Co. Boston, Mass., 50 I. Ben C. Leonard, to a. (W. S. Collector, 1922) Tons, Steam, in A. Albert I. Capturer's pf. aud Evelange 1932 - F. J. III tel inson prest. C. Hale, seev. 624 - United States, pebble and rock - Open and river, 15,000

RV 263

Tevy Alloon Manna & Manna etc. (2) Garnesy (2) The Distribution of R. J. Camp. serv and freis W. X. Camp. mat. (4) ap. 81k. 8000000. Camp. to c. Copen. (6) 00 fors. Steam. Albion Phosphate Min n<sub>m</sub> to a Bartimote, Mid. 1281. Parts to An<sub>m</sub>(83) and rought stock House Albion Such a name of the stock and treas. Materials Such a name of the stock and one of Arbion took. Open steam and horse

Osceola Phosphate Co., New York Cut., N.Y., 10 Whitehall St., W.A. Rossini, prest. G. J. Bradish, seev and treas. I teo. Co., 1967. Rock. Open p.t.

Ab\_o Vachna P O and Ry Bigh Springs (5)

Portland Phosphate & Chem. al Co. Pret and Me. Account H. De animoné prest. Foreign claylor, seev. Treas, and burg. Copp. sid. Scoroco. Prett from long. Open per animol. I. Fraderija, spil. Millo Phornal Phosphate. Co. Oraz, Lan. Open, Horo e Roc. H. H. Garland, mest. P. J. Peacher, seev., S. M. Micck, treas. Cap. sid. sections. Augio. took. Open, 55000 tons. Steam in H. 25000 tons. II. H. Orafania, spil.

EA 26

Martion. The Anthony Phosp<sup>1</sup>rate to a Anthony This loss W Weeks, press. Henry S. Redney, see vi, treas, and materials, state, support as state, and a 150000 to as American Phosphate Co., Emery H. Matter (e.g. and the s. A. Late, mar., American rock), Steam mill, Edocolous, J. W. Lut., supp.

The Central Florida Phosphate Co., New York Cat., Lee Brond say. Deliving C., Seeville, prest. Johan. Hawthorner, seyy. Readon for adj. 99. Proc. I. J. Cov. n., 20. Cat., Sik. 83,2000. Central Photolar publish. Open, Squarence, Stanton.

Compagnie des Phosphates de Leane - Presidence de Pero Agrando III de la presta G. De Pret, m<sub>e</sub>r - Cap 81k, 81000000 - Open (1990) dons (steam hand) in a agracions.

Deacon Co., Thos. R. Baker, mgr., Deacon, periods. Steam, will 4 soutons

Knoft Bros. Cap 820,000 Knoft, rock Open 7,500 tons stem and 7 cortain. J. I. Britisky's pt

Lut Phosphate Co. Hagerstovi, Md. T. C. York, Open Steam will

Maryland Phosphaje Co., W. M. M. Dowell in a corp sile \$25000. Maryland rock. Open 2,000 1, steam, mill, U5000 fors.

Plate Rock Phosphale Co. W. L. V. anis proct. W. M. Ross, soc. Corp. stl., Spinore, 425 (Apr. 19) Open, 5,000 tons, steam,

The Stranathan Phosphate (o. Jocks over  $(-1) \leq 1$  . M. Thave is prest in single N/8. Periodial treas. Cap sike \$10.001. Stranathan took. Open, 25,000 forms steen

Arranda A

Charlotte Harbon Phosphate Co. S., at row to a two Bayset Bloseoft H  $_{\odot}$  cost. H 1 and from Cap. alk Shopoot Charbotte Harbon, pelder Phosphate, steam score easily supt

Alach a Seminole Hard Rock Phosphilic & Landato adaeksoryalic Ida (d. 1908) yeest. A co Alacheson seev. George V Maywell, Itea - Cap sik St 200000 Seminole (d. 1993). Ry 50

Haskell, Port Lampa 691,

### PHOSPHATE (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PEINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2000 FOUNDS, KIND OF FOUNDS USED.
Town AND COUNTY	MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
Bartow Polk Ry, 691.	Eartow Phosphate Co, Charleston, S. C., W. B. Chrisolm, prest, and treas.; R. G. Chrisolm, seey., L. R. Chazal, mgr. Cap. 8tk, \$250,000. Bartow. Open: steam developing.
	Homeland Mining & Land Co. W. H. Justin, prest, and treas.; W. H. Luedry, seey. Cap. 8tk. \$60,000. Homeland, pelddle. Open, 1,500 tons; steam; mill.
	The Lake Hancock Pebble Phosphate Co. R. W. Price, prest;; O. R. Price, secy.; T. M. Lybass, treas, and mgr. Cap. stk. \$100,000. Lake Hancock, pebble. Open, 30,000 fons, steam. T. M. Lybass, supt.
	Land Pebble Phosphate Co., Sayannah Ga. A. W. Haskell, prest., treas., ugr. Cap. stk. \$6,000. Pebble. Open, steam, horse and hand, mill. B. H. Heyward, supt.
	Mastodon Pebble Phosphate Co., Jay Shrader, prest.; G. A. K. Sterns, seey, and mgr., Warren Tyler, treas. Cap., stk. \$50,000. Lake Hancock. Dredge, 20,000 tons; steam. J. T. Wear, supt.
	Moore & Tatum Phosphate Co. A. G. Moore, prest, seey, and mgr. J. H. Tatum, treas. Cap. stk. \$25,000. Moore & Tatum, pebble. Open, steam.
	Saidde Creek Phosphate Co., Vicksburg, Miss, C. T. Searles, prest.; A. G. Russell jr., seey., treas.; T. M. Searles, ingr. Cap. 8tk, \$300,000. Saiddle Creek, pebble. Steam; expect output to reach 30,000 tons.
Belleview Marien Ry, Greentent 263,	Belleview Mining Co., Jacksonville, Fla., 15 and 17 Tonayth st. C. B. Smith, prest, and nigr., W. F. Coachman, seey., D. Greenleaf, trens. Cap. stk, \$10,000. Belleview, soft. Open, 5,000 tons. steam. H. S. McKee, shipt.
Bloomfield Lake Ry, Leesburg 263, 265,	Lake County Phosphate & Fertilizing Co. Geo. H. Tiftany, prest., Wm. D. Mendenhall, seey., Dr. Warten-spencer, treats, ngr. Cap. 8tk, \$20,000. Bloomfield, rock. Open, steam; mill, 3,000 tons. Ambrose Spencer, spit.
Blue Spring Marion Ry Fernandina 674.	Stonewall Phosphate Co., dacksonville, Fla. J. R. Tysen, prest. Bryan Taliaterro, seey., treas, Cap. stk. \$500,000. Phosphate, rock. Open pit, 25,000 tons; steam.
Bowling Green - De Soto Ry.Port Tampa 265, 691.	National Peace River Phosphate Co., Jacksonville, Fla., 26 Mann 8f. J. W. Archibaid, prest.; A. F. Perry, seey. W. J. Harkisheimer, treas.; R. N. Ellis, Ingr. and supt. Cap. 8tk, \$100,000, Pebble, Steam, dreider, mill. 23,200 tors.
Bronson Levy Ry, Fernandina 263.	Bronson Pebble Phosphate Mining & Land Co. J. M. Barco, prest., P. M. Colson, secy., W. J. Epperson, vprest, and treas. Cap. stk. \$150,000. Bronson, rock and pebble. Open pit.
	Suwannee River Phosphate Co., Atlanta, Ga., 6 E. Alabama st. M. Harrolson, prest., W. I. Zachry, seey., J. H. Porfer, treas. Cap. stk. \$2,009,000. Suwannee River, rock and pebble. Open. C. P. Turner, spt.
Cleveland — De Soto Ry 3t	Gull Phosphate Mining & Manufacturing Co., Charleston, S. C., 2 Evcharge st. E. U. Williams jr., prest., A. J. Salmas, seey, and treas., E. L. Roche, ngr. Cap. 8tk, 820,000. Pebble, 35,000 tons, steam, dredge; mill, 45,000 tons.
Cow Creek Alachua P. O. and Ry. Fort White 658.	The Columbian Phosphate Co., of Florida, Jacksonyille, Fla., N. E. cor. Bay and Main sts. C. C. Robertson, prest. Charles III, Smith, seex.; W. G. Toomer, trens. Cap. stk. 8500,000. Cow Creek, rock. Open pit; steam; mill, 20000 fons.
Dade City Pasco Ry, 263, 691	T. C. Fuffer, Macon, Fla. Cap. \$5,000 Dade City Mines, rock. Open pit, 1,000 tons, hand.
Delaware Hernando (P. O. Pemberton) Ry.	The Pasco Phosphate Co., Cheago, Ill., Monadnock Eldg. Chester B. Davis, prest., Franklin L. Chase, seey., Levt V. Ehel, freas.; C. M. Wead, ngr. and supt. Delaware. Open pit, 25,000 tons, horse, hand.
Dunnetton Marion Rv. 263.	Marion Phosphate Co., Savannah, G., Cotton Exchange Bldg, George J. Buldwin, prest., Win, W. Rogers, seey., treas.   Cap. 8tk. \$5,000,000.   Rock.   Open. 8team, horse, hand, mill.   Josiah Flournoy, 8upt.
	Ocala & Blue River Phosphate Co. Ocala, Fla. Chas. X. White, prest, and treas.; L. Dozier, seey., M. W. Ellis, ngr. and supt. Cap. stk. 84,000,000. Elliston and Verda, rock. Open, 11,300 tons, steam, horse.
Engle Mines Marion Ry, 263.	Eagle Phosphate Co., Harrisburg, Pa. A. T., McCreath, prest., Ross Wilkins, seey, and treas., Goo, E., Fotts, mgr., Cap. 8tk, 82,000,000. Rock. Open, 10,000 fons, steam, mill, 15,000 fons. Jos. C. Williams, 8494.
Fort Meade Polk Ry, 265	Chilocopico Phosphate Co. H. F. Crawford, prest., F. F. Crawford, mgr. Cap. 8tk, 8500. Chilocopico, Open, 1,000 tons, horse, mill, 1,500 tons.
	Fort Meade Phosphate, Fertifizing, Land & Investment Co. H. B. Smith, prest., M. R. Cooper, seey, and treas., J. E. Robeson, mgr., Caj. stk. \$50,000. Fort Meade, pebble. Steam.
	Virgima Florida Phosphate Co., Petersburg, Va., Sveamore St. Pascal Davis, prest., L. E. Balmet, seey and treas., T. R. Dunn, mgr. Pebble. Open, 6,000 tons. steam.
Fort Myers Lee (Not a P. O - Ry, Boca Grande 301.	Florida Phosphate Mining, Transportation & Storage Co., Bartow, Fla. J. R. Brownell, prest., J. S. Fence, seey., J. H. Tatum, treas. Cap. stk. \$20,000. Pebble. Steam dredge, 40,000 tons, steam.
	Argyle Phosphate Co., W. W. Richards, prest., W. E. McKay, mgr., Cap. 87k, \$100,000, Argyle 1,000 tons, steam.
	Columbian Phosphate Co., Jackson ville, Fla., cor, Bay and Main sts., C.C. Robertson, prest., C. H. Smith, seey., W. G. Toomer, treas. Cap. stk, \$506,000. Columbian, rock. Open, hand and steam.
	Fort White Phosphate Co., Kansas City, Mo., 719 Walnut St. E. B. Robison, prest., W. D. Clark, seey and freas., R. G. Perrin, jugr. and supt. Rock. Open, 12,000 tons. Steam.
4 name ville - Alambura	Absorbed May Co., E. C. E. Sangt, which P. Porne, and P. W. Porterior may Convict, \$50,000. Peli-

Polk Mastodon Pebble Phosphate Co., Bartow, Fla Dr., Jay Shrader, prest., G. A. K. Stevens, seey, and mgr., 891. Warren Tyle, freas. Cap. 848, 850,000. Mastodon, Pebble Vimes. Drodge, £5000 tons, steam, mill. Education tons. J. T. Wenr, supt. Columbia Jehetucknee Phosphate Co., Jacksonville, Fla., Court House, M. C. Rece, prest., J. C. Cooper, seey.; N. B. Broward, treas, and mgr. Cap. 8tk. 855,000. Jehetucknee, rock. Open, steam. Herlong

Gamesville — Alachua Magnoha Mig Co. E. C. F. Saints, prest., T. Boyar, seey., B. W. Fontana, mgr. Cap. 8tk. \$50,000. Peb Ry. Fort White 658 — ble. [5,000 tons.] horse, mill. 5,000 tons.

Paradise Fertilizer Co. J. W. Ashby, prest., O. J. Moat, seey., treas, and mgr. Cap. 8tk. \$3,500. Bone and pebble. Open, steam, mill, 6,000 tons.

Kendrick Ry. 265.

La Crosse Ry. Hague 658.

Lakeland

Macon

Maryinia. Ry. 408. Maddleburg

By. 31.

Ownth

Octando Ry, 237, 263, 691.

Paradisc. Ry, 658 Pemberton.

Phosphate

Phosphoria

Ry. 265, 691.

Ry, 263, 691.

Rock Springs. Ry . 674

Rv. 263, 691.

Ry. Brantord 658.

Ry, Port Tampa 263.

Ry. Jacksonville 658.

Rv. 263, 265, 674

Perry Ry, Wadison 263,

Ry Lampa 263, 691.

Ry, Tampa 263, 691.

### THE MINING DIRECTORY—MINES.

### PHOSPHATE (CONTINUED)

LOCATION OF RAILWAYS, WATE AND SHIPPING	R ROUTES	Name of Company of Individual, Location of Phincipal Office, Names of Officers, Capital Stock Name and Kind of Mine, annual Outfirt in Tons of 2,00 Potends, Kind of Power Used. Mills, Etc., and Name of Mine Stephenstenders.
Town AND	COUNTY.	MILLS, ETC., AND NAME OF MINE SCIEMINIENCEST.
Hernando,	Citrus	Globe Phosphate Mining & Manufacturing Co., Ocala, Fla., J. R. Biggs, prest., W. S. Turner, seey., O

S. Young, treas. Cap. stk. \$2,400,000. Globe, lime. Open, 2,000 tons, hand. M. L. Tuttle, supt. Ry, 263, 674. - Ernest Yager, Leesburg, Fla. Cap. \$10,000. Climax, pebble. Open; hand. Alachua Anglo Florida Pinosphate Co., Ocala, Fla., I Opera House Block. H. H. Graham, prest, and mgr. P. J. Preacher, seey., G. C. Stevens, Iteas. Cap. 8tk, 800,000. Rock. Open, steam and hand, mill, 35,000 tons. H. H. Graham, supt. High Springs Rv. 691. Execlsior Phosphate Co., Jacksonville, Fla. Henry M. Brooks, prest., W. S. Prindle, seey, and treas. Cap. \$100,000. Execlsior Mine. 15,000 tons, steam.

H. F. Ditton & Co., Gainesville, Fla. C. W. Chase, mgr. Rock. Open, 20,000 fons, steam. L. O. Gold, supt. Polk Homeland Mining & Land Co., Cincinnati, Ohlo, 180 Walnut st. W. H. Justice, prest., W. H. Lenders, Seey., F. R. Magerhaus, treas., M. W. La Rue, mgr. Cap. 8tk, 850,000. Homeland, pebble. Dredge. Homeland

seey., F. R. Wagerhaus, treas., W. steam, mill. M. W. La Rue, supt. Ry. 265, Whitaker Phosphate Co., Kansas City, Mo., 76; Delaware St., Dr. H. C. Crowell, prest., J. A. Moninger, seey., Robert M. Snyder, freas., M. S. Dowden, ingt., Cap. 8th, 850,009. Pebble imnes. Open, 4,500 toris, steam, mill, killi, actoo toris. Whes Wornadey, supt.

Citius, Cove Bend Land & Phosphate Co., W. K. Jackson, prest, and nigr., R. P. Moore, seey., W. H. Meadow. Invertiess treas. Cap. stk. \$200,000. Phosphate line. Open, steam Ry, 674, 691 Gem Phosphate Co., Leesburg, Pla. M. W. Lovell, prest. C. P. Lovell, seev, and treas. Cap. 8tk, 880,000.

Rock developings.

Marion Standard Phosphate Mining & Chemical Co., Mexandria, Va., A. H. Agnew, prest, and mgr., M. B. Har-low, seev, and treas. Cap. 8th, 850,000, Mattida, rock. Open, steam, H. L. Anderson, supt Alachua (Lanchor Phosphate & Fertilizer Co., Horatio Davis, prest., W. J., Way, seey, and treas., Win, Plake, ingr., and supt. (Cap. stk., 850,000). Lanchon, phosphate. (Open, 3,000 fons., steam, mill, 3,000 fons.)

Columbia Phosphate Co., James V. Young, prest and treas. A. B. Hart, seey, and mgr., Cap. 8tk, 850,000 Collimbia Rock. Open, 2,500 tons, hand

Lake City Land & Timber Co., 17 Railroad st., James L. Young, prest. A. E. Hart, seey. J. A. Crawford, freas., Jas. C. Gefzen, high. Cap. 8th, 850,000. Rock., Open, 30,000 fons.

Polk Bone Valley Phosphate Co., Boston, Mass., 299 Washington st., Orin T. Gray, prest. C. B. Hale, seev. L. W. Hastims, (reas., John Beatey, ngr., Cap., stk., 879,000. Bone Valley, pebble. Open, 50,000 fous. T. O. Warner, supp.

De Soto, South Florida Phosphate Co., F. I. Woodcock, prest, J. H. Fatum, seey. J. S. Rence, freas, and night frborial, — Cap. ski, 8180,000. Peace River, pebble, tock. Open, 15,000 tons, steam, pamp, mill, 15,000 tons Liverpool De Soto Ry,Charlotte Harbor, 31, Pasco Ceres Phosphate Vines, Cap 850,000, Ceres Mines, rock, Open, 2,000 lons, steam, mill, 4,000 lons

Hillsboro Pelidde Phosphate Co., Jacksonville, Fla., b. I., Bayst, John I., Marvin, prest., Blan Burwell, p., seev., Class, Warvin, treas., E. P., Tabaretro, ingt., and sapt., cap., stk., \$1,000,000, Pelidde, Pump, 20,000 tons, steam, intil, 20,000 tons.

Clay Black River Phosphate Co., Jacksonyabe, Pla., 6; W. Bay St. D. G. Ambler, prest. J. V. C., Stockton, seev., (reas, and ngr. Cap. 8tk 850000). Black River, poblide. Pump, shatt, 25000 tons.

Stockton.

Lee Caloosalhatchie Phosphate Co., Lampa, Ha., Chas A. Green, prest. W. D. Lewis, secy., Ireas., H. F. Stannard, mgt., Cap. 8150,000, Steam dredge., Just commenced.

Marion, Chicago Florida, Phosphate Co., J Opera House, Black. A. F. Rice, prest., Henry S. Merriff, seev. C. B. Van Kirk, treas. P. J. Pein het, mgr., Cap. 8, 000,000, Hard took, phosphate. Open pit, mst commerced, steath, and, 2000 tons. L. E. Baiset, supp.

Ohio Phosphate Co., G. H. De Golyet, prest., A. F. Herold, seey, and treas. Cap. 8tk 850,000. Ohio, rock Open, 5000 tons. steam.

Polk Standard Pebble Phosphare Co. John H. Talbutt, prest. J. N. Bradshaw, seey. Natt. Pevntz, treas., R. F. Rose, mgr., and supt. Cap. 8tk, 8500,000. Standard, pebble. Steam. Alachua Paradise Fettilizer Co., Gamesvila, Pla., John W., Ashby, prest., O. J., Moat, seey., trens. and mgo., Cap., 8th, 825,000. Phosphate bone., Open., steam., mill. 3,000 fons.

Hernando M. C. Reidell & Co., Dade City, Fla. Bourne May, petible. Open pit, 5,000 tons, steam, mill, 5,000 tons, M.C. Reidell, supt. Ry, Bonnie May Switch

Laylor

National Phosphate & Maning Co., McKeesport, Pa., W. A. Denshee, prest., I. L. Devenny, seey. Dearborn, treas., I. A. Congdon, ingr., and supt., Cap. 856, 820 (1996). Rock. Open pit of velops. Open pit di velojanz Hillsborough Peruyaan Phosphate Co., Tampa, Fla., Lock Box S. W. T. Roberts, prest., G. R. Booz, seey, and treas Cap. 8tk, 850,000. Rock and pebble.

De Soto Jacksonville Peace River Phosphate Co., Jacksonville, Fla., cor, Bay and Main 8ts. Henry Robinson 3, 691. | F. Campbell, seev. John I. Marin, frens., A. G. Rigelow, mgr. (Lap. 8tk 81,000,000) Jack surville Bener River, pebble — Dredge, 1,000 (1903), steam.

Polk The Florida Phosphate Co., Ltd., London, Jug., 1 Fenchurch av. Johnard Packard p., prest. Osca. Michael, Sery., W.S. Warnet, high. Cap., 3k, 81,079,000. Rock. Open, 200,000 tons. steam. midl., 50. DEBT FAITES

Plant City - Hillsborough - The People's Pebble Phosphate (a., Ohs Greve, prest, Traners M. Loomis, serv - Fred S. Wood vorth, Ry, 283, 529. — Treas - Cap. 84k, 850,000. Pebble - Open, 65,000 tons - steam dredge.

Marion Prediment Coul & Phosphate Co., Prediment, W. Va., John Sheridan, prest. W. I. Bloch Ston, serv. J. S. Jannesson, freax, Jas. M. Gridain, v. prest. gnd.ingr., Cap. 8tk. 81,000,000. Rock. Springs, 1 a. 6. Open Joposo forus, Stein, mill, 2000 cross. Library Haller, sup.

Bockwell Marion Dunnellon Phosphate Co., John J. Jughs, prest J. A. Jeagat, seey. John J. Dunn, 1978. Co. 81,691. 81,290,000. Dunnellon, rock. Open diedge, oppuretons, steam. Jose A. Wells, 8. pt. Ry. Fernandina 674, 691,

### PHOSPHATE-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT, TOWN AND COUNTY.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TOSS OF 2,000 FOUNDS, KIND OF FOWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
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Sparr Ry, 263,	Marion Zeigler Phosphate Co., Ocala, Fla., Hafele Block. Thos. M. Crocker, prest.; Geo. W. Brown, seey.; Hugh E. Miller, treas., C. C. Harris, agr. Cap. 848, \$200,000. Zeigler, pebble. Open, 1,000 fons; hand. C. C. Harris, sight.

Summerfield By 233.

Marion Carney Phosphate Co. J. J. Cowan, prest., Jos. Hirsh, seey.; P. M. Harding, treas.; R. S. Buck jr., mgr. Cap. 3th. 8300,000. Carney, pebble. Open; steam, horse and hand, mill.

Talldassee By 233.

Leon La Pierre Phosphate Co. Geo. W. Saxon, prest.; E. Dubois, seey.; Geo. Maginnis, treas.; W. L. Davids, By 234.

Leon La Pierre Phosphate Co. J. J. Cowan, prest.; E. Dubois, seey.; Geo. Maginnis, treas.; W. L. Davids, and C. Cap. 3th. Saxon, prest.; E. Dubois, seey.; Tunnel, steam. Fred A. Seabury, supt.

Tampa Hillsborough Tampa Phosphate Co. Dr. H. T. Lykes, prest.; O. G. Sexton, seey, and treas.; Burton E. Coe, mgr. Cap. Ry. 263, 621. stk. \$25,000. Pebble. 10,000 tons; steam, dredge.

Welshton
Ry (26).

Marion Cornwall Phosphate Co., Boston, Mass., 8 Doane St., John H. Welsh, mgr. Cap, \$40,000. Cornwall, rock
Open, 700 tons, hand, mill, 1,500 tons. John H. Welsh, sapt.

"Joseph F. Dean, Palatka, Fla., Emmett st. Cap, \$900. Cornwall, rock. Open, 700 tons, hand, mill, 3,000
tons. John H. Welsh, sapt.

## **GEORGIA**

### COAL-BITUMINOUS

Loc	ATION OF	MINE,
		R ROUTES
AND	HIPPING	Point.
Town	AND	COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MINE, ANNUAL OUTTPT IN TORS OF 2001 POUNDS, KIND OF POWER USED, COAL BEAGERS, WASHERS, COKE OVERS, AND NAME OF MINE SEPERINTENDENT.

Durham Walker Chickamanga Coal & Iron Co. S. I. Parrott, prest, and mgr., Gordon Lee, seey, and treas. Cap. stk.
(P. O. and Ry. Clinckar, Science, 2000). Durham. Funnel, 2000 (tons) horse, 200 coke ovens under construction. J. T. Harris, supl.

### 201 12 22712 201 27120

GOLD AND SILVER			
LOCATION OF MINE RAILWAYS, WATER ROU AND SHIPPING POINT	NAME OF MINE, KIND OF OUE KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POLNDS, KIND OF POWER USED, STAMP MILLS, LTC., AND NAME OF MINE SUPERINTENDENT.	ot NDS, KIND	
Town AND COU			
Cumming For- lty, Buford 622.	awnee Mountain Mining Co. H. Estes, prest., Dr. John Hockenhull, treas., J. O. Sawnee Mountain, gold. Placet, tree.	iames, mgr, and supt.	
	Tio my Gold Mining Co., Last St. Louis, Hl. Robert Bowman, prest., F. F. Dickie, treas. Cap. 848, 830,000. Pho my, gold. Placer.	secy., C. C. Kendall,	
	Pride of Georgia Gold Minning Co., Wooping Water, Neb. [1] K. Clark, prest., Georg. W. Howard, trens. David Hunter, mar. and supt. Cap 8(k.81,250,000). Pride of copen pit. retractory, tree: sterm, water.		
**	Vaverly Mining Co., St. Lons, Mo., Room of Turnet Bidg. C.O. Godfrey, pre- secy., A. W. Train, treas. Cap. 8tk. 8100,000. Waverly, gold. Open pat.	st. G. H. Len Brock,	
New England City . D Rv. 240	oddie May Mining Co., Portland, Me., 98 Evchange St., Walter J., Finery, prest. A F. J., Fletcher, treas. Cap. 81,000,000. Addie Mry. developing	Vm. H. Umery, seev.,	
Washington , Wi Ry. 280,	$\label{eq:conseq} \mbox{Homas M. Gattett, Sons X tor.} \ \ \mbox{Stony Ridge, gold.} \ \ \mbox{Shafts. tree. steam, 7-stamps.}$	T.M. Garrett, supt.	

#### $1120\times$

TOCATION OF MANY RAILWAYS, WATER ROUTES AND SHIPPING POINT		AME OF COMEAN OF INDIVIDUAL EOU. TOS OF LEINTER OF REEL, NAME OF OTHER RESIDENCE.  NAME OF MENT REPROPULED TERMOLOGY WINE, ANNO OF HELETTE TOSSOF 2.00 FOR INS., RENE OF FORCE TEST, PRINCE LEINTERS, F. F. ANNO NAME OF METERS FROM SOME	
Tows (SD	0 (1813		
Cave Spring, Rv. 240	Ployd	Georgia Manganese & Mining Co., J. M. Couper, prest., J., H. Couper, seev , Iteas, and fugi., Cap. 8tk, 80,000. Manganese., Shaff, open pil, 2, Sectors, steam.	
Cedartown Ry 2st	Polk	North Georgia Mining Co. H. N. Van Devender, seev and treas. W. L. Hackman, mgi. Cap. 8tk. 815,000. Leibetter, hematite. Open pit. 50,000 tons, steam. Robert Met arty, 80pt.	
Linetson Ry, 807.	Bartow	Brown & Jones, t. M. Jones, prest. M. H. V. Jones, serv. and freas., H. V. Holland (mgr.: Cap. 80c, 800,000). Cap. and 815,000. Brown, hematite. Open pit, funnel, 30,000 fons, steam.	
Etna Ry 30	Polk	Tina Futuace Co., Rome, Ga., Hamilton Block, D. R. Hamilton, prest. Harper Hamilton seev and trens. Cap 8th 89,000. Tina Mine, hematite, 40,000 tons, steam ("arter, horse, hand, futuace") A. Hamilton supts.	

### MICA

LOCATION OF MIST. RATEWAYS WATER INCOMES ASSOCIATION ASSOCIATION FORM ASSOCIATION	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CALIFAL STOCK NAME, OF MINE, KIND OF PRODUCT, KIND OF MINE AND ACTURET IN TOSSOF 2, 0 POUNDS KIND OF FOWER USED, Lac., AND NAME OF MINE SUPPRINCENDENT.	
Canton Cherokee	tacorgia Mica & Mineral Co., Vshtabula, Olio - D. G. Paimer, prest., H. Lassett, seev and treas - Ca-	
Rv 420.	stk (80,000 - Mica, kaolin, (8batt and funted) hand, horse	

### SLATE

Bockmart Polk W. W. Jones & Co., Cap. Sproof - State - Open, conoctons, horse, hand - W. W. Jones, sept. and u.2. Ry (240, 234,

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, KAILWAYS, WAFER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRESCRIPT OFFICE, NAMES OF OFFICERS, CAPITAL STO NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2000 FOUNDS, KIND OF FOWER USED, STONY OF MARBLE MILL 3, LIGHERIESS APP
Tows and	COUNTY	Capacity, Etc., and Name of Mine Suferintendent
Covington Ry. 280.	.Newton	H. C. & S. J. B. Freeman. Granite. Hand.
Crawford C Ry, 284.	crethorpe	Georgia Granite Works. Cap. 8tk. \$5,000. Johnston, granite. Open pit. 2,500 tons; hand; mill. A. D. L. Mars, supt.
Graysville Ry, 807.	Catoosa	Graysville Mining & Manufacturing Co. Louis Hamburger, prest.; L. A. Camp, seey., treas, and mgr. Cap. 8tk, 8250000. Limestone, fluxing stone. Open pil, 99,000 tons, steam; kiln, 50,000 tons. H. M. Harris, supt.
Holly Springs Ry, 420.	Cherokee	Kenesaw Marble Co., Marielta, Ga. B. R. Legg, prest., Geo. F. Newell, secy., treas, and mgr. Cap. stk. \$100,000. Verde Antique, marble. Open pit. steam; mill.
Lithona. Ry. 280.	De Kafb	Jenkins & Co. Cap. 8tk. \$1,000. Lithonia, granite.
4.1	**	M. E. Maher, Atlanta, Ga., 471 Mangum st. Cap. \$75,000. Granite, 35,000 tons; steam,
	**	Southern Granite Co., Atlanta, Ga., Kimball House, George Moerlein, prest.; J. A. Eberhardt, secy., treas, and mgr. Cap. stk. \$100,000. Gramte. 30,000 tons; steam, hand.
**	**	Wilson Bros. Wilson, gramte. Open pit, 8,500 tons; hand.
Warble Hill Ry, Tate 420.		Southern Marble Co., O. W. Norcross, prest.; Z. D. Harrison, seey, and treas. Crystalline, white marble Open pit, 6,000 tons; steam, mill., J. C. Games, supt.
Nelson Ry 420.	Piekens	Blue Ridge Marble Co., Juo, W. Stoddard, prest.: Harry Dewar, seey, and treas Frank Dewar, mgr Cap. stk. \$1,000,000. Georgia, marble. Mill.
Sparta By, 280.	Hancock	Georgia Quincy Granife Co., Macon, Ga., Evchange Bank Bldg. T. B. Artope, prest.; Jos. W. Palmer-seey, and treas; T. E. Artope, mgr. Cap. 8tk, \$50,000. Granife. Slope, 10,000 fons; steam, hand; polishing mill. J. L. Mulladly, supt.
Stockbridge By, 240.	Hemy	M. E. Maher, Atlanta, Ga., 171 Mangum st. Cap. 875,000. Gramite. 40,009 tons, steam.
Stone Mountain Ry, 280.	to Kalb	Reauchamp & Thompson. Stone Mountain, granite. Open; hand.
Tate Ry. 420.	Pickens	Georgia Marble Co., H. C. Clement, prest.; O. F. Bane, seey, and treas.; George H. Keeler, mgt. Cap-stk, \$1,500,000. Creole, Cherokee and 4 other mines, marble, 40,000 fons, steam; 2 mills.

	1.41.7
LOCATION OF MINE OR BANK, RAILWAYS, WAIER ROUTES, AND SHIPPIOR POINT. TOWN AND COUNTY	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF ÖFFICERS, CAPITAL STOC NAME AND KIND OF MINE OF BANK, ANNUAL OFFICE IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUFFRINTENDED C.
Spring Place Murray Ry Dalton 240, 807	The Colintta Tale Co. Win, C. Filton, prest, and supt., John G. Gould, seey, and treas., Henry G. Granger, ingr. Cap sth. Stamagno, Colintta, tale. Open jut. 1990 tons, hand, steam, mill.

## IDAHO

### COPPER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL (FEBER, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KING OF DIRE, KING OF MINE, ANN LOCATION OF THE TRANSPORT OF DOWN THE TRANSPORT OF MANY AND AND THE ATMENTMENT OF DOWN THE TRANSPORT OF THE TRANSPORT OF

Town AND COUNTY	OF POWER USED, LURINGES, LIC., AND NAME OF MINE SUPERINTENDENT
Hope Koofenar Ry Cabinet 529.	John Thurben, Cabinet, Idaho, Idaho Kong, Tunnel, hand
	GOLD AND SILVER
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT,	Name of Company of Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Ure - Kind of Mine, Anneal Output is Tons of 200 Potents, Kind of Power Used, Stath Milley, Ele, and Name of Mine Stephenstribent.
Tows and County	TO THE POST OF THE PROPERTY OF
Banner . Bolse Ry. Bolse City 776 60 hilles	Elmira Silver Muning Co., Plinita, N.A., L. L. Barney, prest. N. P., Fassett, seev., C., Preswick, freas., A. P., Boyler, mgr., and supt. Cap., G., Stogger, Tanner, Crown Point, Wolvering and Cothers, silver, Shart, funnel, Londons, retractory, Jeann, 20 Stanips
Basin Casera Ry, Manuloka 776,	Sumpson & Thornton: Mary, Mattie, gold, fend, silver - Open, shaft, free, hand,
Bay Hor e Cu fet Ry, Ketchum 776 (75 miles).	Beardsley Mining Co. $0.3$ Salesbary, in $\mathcal G$ . Beardsley, lead, salver . Tunnel, 2000 tons -retractory to stamps.
	L. Christensen   Cap 850,000   Silver Brick, gold   Tannel, shaft, 30 tons   retractory, hand
	J. W. Clarke, Clayfon, Idaho - Mascot, silver, lead, copper. Shatt, timnel, 200 fons, defractory horse
	Etta Vee Mining Co., Geo, Shom, mgr., Cap. stk. 817500. I tta Vee, gold, alver. Tunnel, shatt. horse, J. D. Vo.s, supt.
	Ramshotn Muning & Smelling Co., O. J., Salesbary, mgr., Ram horn silver lend, copper. Tunnels, 5,000 tons, retractory. G. Eabbage, sept.
Befleyne Logan Ry 776	Modor Chief Manury Co., Saff Eake C. D., Utah, 168 Main St., N., Frewerd, prest, J. C. T., Stevenson, seey J. W.H. Reminigton, treas. J. C. Cumrench in Large and copt. Cap. 828 819 (1919). Modor Chief, Nargata, head, 846 and good. Shaft, turnel. In editing Land.
	Pacific Funnel Mining Co., D. G. Tutt, prest. T. M. Home, sery. John Domphan, v. prest. "Jas. A. Don- upban, mgr., Cap., 3k, 83,000,000. Pacific Funnel, silver. Tunnel, retractory."
Bonanza City, Custer Ry Ketchum 776,	$\operatorname{Romar}(\mathbf{x})\operatorname{Dodge}$ . Ruby, gold and silver . Funnel, goet instance than
	Montana Minning Co., Manust., Jac. Hooper, prest and fing). Ann.: Lyank'n, seev. A. X. J. P. Leiffer, treas. Cap. 85000. Montana. Journels and shart, tree, however, Jac. Hooper, supf.
	Albert Neubert. Fasmark and others, gold. Tunnels, 1,000 tons. free, hand
Bonnet's Letty, Kootenar (P. O. Frya Ry, 293)	Boulder Creek Mining Co., Ben Morrow, poist (1) J. Jones, eds. H. H. Mijckey treas. Good Derhart- nigh. Cap. 36, 800,000. Jeanette, geld, alver and lead (1) annel tree, water developing.
	Columbia Mining Co., Alma, Wis. G. M. Reinhardt, prest. J. P. Hanner seev and freas. Cap 8th, 8L000000, Sea King and 2 others, "ver, copper and 2000. Tunnel. R. W. Hunner, sapt.
Burke Shoshone Ry 529, 776	Cetti d'Alene Silver Lead Mining Co., Barto City, Mont (Joseph K., Clark, prest). C. L. Fiftinger, seey Joseph V. Long, froms. (Patrick Clark, mg). Cap. 8th 8 (200300). Profitman, Sheridan, silver and lead Shaft (20000) fors: "electricity", succentration. Sumon (Bea'r), sipil.
	Court d'Alène Wanng & Concentrating Co., Spokane, Wash - James B, Grant, prest , John A Linch, seev, and treas. A B Campbell, v prest and may - Cap six 8,250,000. Umon, gold, silver, lend - Tunnel 45,000 forus water, relinations cale intatot - Goe Theory, simpt
	Hecla Mining Co., Wathaez, Idaho. Patrick Clark, prest. John A. Farch, seev. and from: A. L. Gross, nurr. Cap. 8tk, 8500,000. Hecla, silver and lead. Tunnel, retractory, water. A. B. Campbell, supt.
	Tiget Mining Co. 8.8 Gladden, prest. Cap. 8tk, 850,000. Tiger, gold. Shart, tunne', apprectors, retractory, water. F. R. Cullertson, high and supt.
Challis Custer Ry, Ketchum 776	J. D. Voss, Cap 80,000, Naoma, gold and salver. Slope, 200 fons, Tree, horse
	Missoula & Last Chance Minag Co., Spokane, Wash. J. F. Vinton, prest, and mgt. J. E. Rosma, son- sery. F. J. Peterson, frems. Cap. stk. 822000. Missoula, Last Chance, silver and lead. Tunned shall water.
Clayton Custer Ry, Ketelann 776 - 75 indes	B. T. Bascom, Dickey, Idaho (Cap. Slaw). Blackfull and a others, gold, silver, lead. (Tannel, Shatts, open-retractory, hand.)

Blue Bird & Januarty Mining Co., L. C. Headrick, seev. John M. Babaen, mgr. and 8 spt. 44 a. B. 6. January, silver, lead. Shafts, tunnels retractory, hand.

tumabar Muning Co., Highland, III. Cap. stk., 82,000,000 - Camabar, gold 's iver, lead - 81 atts (come leave tractory, free, steam, to stamps). W. D. Durdale, supt.

Clark, Thompson & Co., Sheep Mountain, Idaho - Qu'en of Heatis, gola silver - Shatt, turaels - e tous, retractory horse, hand J. W. Clark, supt

Clayton Mercantille to Gary ("Bartow, prest," W. Goy, see V. and freas: A. J. Crooos, m.g., Cap. stl. 81,000,000. Red Bird, gold, silver Tunnel, shart, forcefore, tree grater for stages. H. M. Perse supl

### GOLD AND SILVER (CONTINUED)

Loca	TION OF	MINE,
RAILWAY	S. WATE	R LOUTES
AND S	HIPPENG	POINT.
		(1)

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK

AND SHIPPIN		Name of Mine, Kind of Ore, Kind of Mine, Annual Outfut in Tons of 2,000 Pounds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine Superintendent.
Town AND	COUNTY	
Clayton. (Contin		Clayfon Mining & Smelling Co.   Guy C. Bartow, prest., A. J. Crook, mgr.   Cap. 8tk. \$250,000.   Silver, lead Water.
**	**	Great Expectation Gold Co., St. Louis, Mo., 506 N. Main St. Jos. T. Dugdale, prest. Cap. 8tk, \$30,000 Robinson Bar. Gold, placer, hydraulie.
**		Daniel Shechan. Blue Bird, silver, lead. Tunnel, shaft, 64 tons; refractory, hand.
		Robinson Bar Mining Co., East St. Lonis, HL, 119 N. Third st. Jos. T. Dugdaje, prest.; John H. Woltering seey.; Lucas Edel, treas. Cap. stk. \$1,800,000. Robinson Bar, gold. Placer; water.
**	**	Wiggins & Co. Russell, silver, lead. Tunnel, shaft, refractory, hand.
	Shoshone erior, Mont. ( Mountain, 29.	Chas, Larkam, Superior, Mont. Larkam, gold. Placer, 1,500 tons; water.
Custer Ry. Ketch nules).	Custer um 529 + 100	Bollette & Mullen. Visham, gold, silver. Shatt, tunnel, 500 tons, free; steam, hand. John Mullen, sup
	**	Dickens-Custer Mines, Ltd., London, Eng. Col. Masters, prest., G. B. Bentham, secy.; Alvah Henr Axford, mgr. and supt. Dickens, gold, silver. Tunnels, 3,000 tons, refractory; steam, 30 stamps.
**		David Dorsey & Edwards. Black, gold, silver - Tunnels, stopes, 127 tons; tree; hand,
•	**	Laicky Boy Gold Mining Co., Salt Lake City, Utah, 68 Main st. N. Treweck, prest, and mgr., C. T. Stever son, seey., J. Barnett, treas. Cap. stk. 81,000,000. Lucky Boy, Anna, gold, silver. Tunnels, refractory hand.
		James A. McFadden. Vankee Fork and Fraction, gold and silver. Tunnels and shafts, 1,200 tons: free
		Tonto Mining Co. Tonto, gold, silver. Shaft; free, hand.
De Lamar Ry, Nam	Owylice pa 776 (55	Burke & Taylor, Spokane, Wash., 1225 Washington St. Garfield, gold, silver. Shaft, tunnel; tree. J. N. Deake, supt.

Ry, Nampa miles).	776 (55	Deake, Supt.	
	**	De Lamar Mming & Milling Co. T. E. Bradnober, prest.; J. W. Plumer, mgr. and supt. De Lamar, gold, silver. Tunnels, 18,000 tons; tree; steam; 30 stamps.	

- Jones & Ready. Alta, gold, silver. Tunnel; tree, steam; 20 stamps. T. W. Jones, supt. Ira McGary, Cap. 8100,000. Silver Vault, 201d, silver. Tunnel, 6,000 tons, retractory.
  - Stoddard Group Mining Co., Gold Hill, Nev. H. M. Gotham, Seey, and treas., John D. Ludwig, mgr. and smpt. Stoddard, Deadwood, Midas, gold, silver. Timmel, shaft; tree; hand.
- Logan John & James Domphan and others, Camos No. 2, gold. Shaft, tunnel, 8,000 tons, free, strain; 20 straips. James Domphan, supt. Doniphan. Ry, Hadey 776. ldaho Elk Mining Co., Aberdeen, Wash. H. Talberston, prest., J. G. Weatherwax, secy.: R. H. Evans, treas.: W. H. Hill, v.-prest. Cap. 8tk, \$500,000. Gold. Placer.
- Fik City Rv. Weiser 776. International Mining & Developing Co., Portland, Ore., P. O. Box 75s., C. I. Mulliey, prest., M. J. Reid, seey., Jacob Hags, Ireas., Cap 8tk, \$1,000,000. Favorite and 8 others, gold, silver. Free, steam. E. C. Spoblem, Supt.
  - Mineral Hill Mining Co., Portland, Ore. A. F., Gartner, prest., Win. Church. gr., seey, and treas., D. X. Summers, Ingr. and supt. Cap. 8th 81,000,000. Mineral Hill and 3 others, gold. Tunnel, refractory;
- Rapid River Mining Co., Spokane, Wash., Rooms 227 and 228 Hyde Block. B. C. Van Houton, prest., A. C. Edwards, seey., Mrs. W. J. Met'ov, treas. Cap. 84k, 84,000,000. Alhance, Victor, Union, gold. Tunnel, tree, water. Lembi Lone Star Co. Lone Star, gold. Tunnel, tree, steam, water,
- Fort Lemlii. Lemlii Ry Red Rock, Mont., 770. kootenar Towa Mining Co., i edar Falls, Iowa, H. H. Markeley, prest., Alfred Grundy, seey., H. H. Piersol, treas., a: E. J. Merrin, mgr. and supt. Cap. stk. 8500,000. McGmty, gold, silver, lead. Tunnel, tree, hand Ry Leonia 293
- Shoshone Black Bear Mining Co., W. S. Sheill, mgr., Cap. St75,000. Black Bear, Vankee Doodle, Cape Horn and 529,776. Black Bear, Vankee Doodle, Cape Horn and 529,776. United 3,000 tons, retractory, water. Ry. Wallace, 529, 776.
  - Helena X Frisco Mining Co., Helena, Mont. Anton W. Helter, prest. A. J. Selgman, seey, and treas. A. W. Esler, mer. (app. stk. 82500,000). Badder, silver, lend. Tunnel, Shatt, 31500 tons, retractory, steam, water, concentration. John II, Heward, supt.
    - Milwankee Mining Co., Wallace, Idaho, Bank St. B. A. Kipp, prest., John A. Finch, seey, and treas., A B. Campbell, mrt. Cap. 84k 8500000, Gen of the Mountains, silver, lead. Tunnel, 6500 Ions, re-tractory, steam, witer, Goo, Energy, supt.
- Idaho International Mining Co., Spokane, Wash., Room 211 Green Block. Geo. R. Ellis, prest., Edward wiston McNace, seey, and treas., W. W. Davy, ingr. and supt. Cap. 81k, 830,000. Horse Shoe Bend, gold. Boat to Ry. Lewiston
- Alturas Red Elephant Mining Co. W. H. Brown, prest. J. W. Lindsey, sery. J. R. McDonald, treas., G. V. Bry-van, mgr. Cap. sik, 85,000,000, silver and lead. Tunnel and Shatt, 20,000 tons; retractory, stonu. C. C. Lint, sapt. Hades RV. 776.
- Washington South Peacock Mining Co., Boston, Mass., 8 State st., Win, L. Platt, seev, and treas., Boston, C. F. Drake, le Ry Weiser ingr., and supt., Weiser, Idaho Copper Key, gold, silver, copper, Shatt, horse, hand, Helena Washington P O Dale Ry Weiser . Koofenai, Stewart, Childs & Co., Dickerson, Silver, Tunnel, retractory
- Hope Idaho City Baise Bella Winning Co., Boise City, Idaho, Jos. D. Wilson, prest, and seey., Thos. J. Wilson, Iteas. Cap. 8150, IX. Boise City. 755 000 Bella, Edna, gold and silver. Shatt and tunnel, retractory, water. John C. Henry, supt.

### GOLD AND SILVER CONTINUED

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Idaho City. (Continued.)

Boise Boise County Mining Co., Ltd. H. Zipf, prest., J. G. Walts, seey., A. Cunningham, treas., A. B. Morrell, ngr. Cap. stk. 800,000. Gold. Shatt, placer, tree, steam.

Junction Lemhi Ry. Red Rock 529 (50 miles).

Joseph H. Fannur. Arkansas Traveler, silver, lead, Shatt, tunnel, 35 tons, retractory, hand

COUNTY

Lee Bros. & Clark. Grand Exchange, silver, lead. Shaft, refractory, hand, A. C. Wangh, American Star, silver, lead, Shatt, retractory

Kellogg. Ry, 529, 776

Shoshone Old Abe & Tompkins Mining & Willing Co., Wardner, Idaho, N. S. Kellegg, prest., Robert I. Horn, seev-and freas. Col. L.N. Miniecv, mgr, and supt. Cap. stk. 8500,000. Old Abe, Tompkins, gold, copper, lead. Shart, timiel. Ligotoms. inaid.

Kendrick Ry. 529 - 12 miles

Sinclair Bros. Old Abe, Loupkins and 6 others, silver, gold, lead. Tunnel, shaft, retractory. hand Latah. Boulder Creek Minning Co., Zenith and 2 others, gold, sityer. Tunnet, water., W. C. McNitt, supt.

A. F. Mckenna - Important, gold, silver - Lunnel, water S. A. Woon, Sonoma, gold and silver. Tunnel, water

Ketelium

Jaltunas Baltimore & Victoria Manug Co., Saft Take City, I falt P. O. Boyogg, Thomas Marshaff, prest, J. Ry 776 (turbe). Baltimore Group gold, silver and lead. Uninel, Libor forest rece, retractory. Victoria Model History, supp.

Boulder Muning & Midding Co. , Chicago, H. Cap. sts. 81,000,000. Silver, lend, 200 tons, retractory, H. J. Murdock, supt

James T. Cochran. Argonaut, Dixon, silver and lead. Tunnel, 120 tons, retractory

J. V. Fasley - Hittd Party, safver, lead and autonomy - Retractory,

Likhotn Minning Co., Likhotn gold, sever and lead. Trainel, shaft, from tons, repraetory, 4.4. Levy, mgr and supt

Independence Maning Co., R. R. Warten, mgr., Independence, silver and lead. Tonnel: reprietory hand, Chars Swanson, apr., Developing. Ophn Maning & Milling Co., Great Lats, Mont, case of Last National Bank. J. J. Collins, prest R. W. Cooley, seeve and teals. H. J. Matdock ingreand supt. Cap sith signoscool ophin and other man, gold, other means.

Kootenaa Koolenat By. Hope 529

Malad City

Allantic Mining & Milling Co., Hency V Stade, prest. I. M. Celadle, seey. C. O. Morrell, treas. I. D. Fainst, ngr. and supt. Cap. 8th 84000000. Allantic Critheld, gold, diver lead. Shatt, retractory horse developing. Onesda

Ry, Bannock Station Martin

Protect Minning, McLing & Smething Co., D. L. Fyans, prest (C. F. Stone, sov.) Line L. Jones, treas R. S. Wallier, high and supt. Cape stl., \$1,000,000. Protect gold server for a Lamber tree, hand 

Ry, Blacktoot 45, 776 Washington Ry. Huntington 529

Mineral Mutual Smelting Co., C. C. Wing, prest and m<sub>s</sub>). Al Denty serv. Lors Sommer treas-stle 8Co00. (Lgan, Silver Belle, gold, silver.) Junior, populous retractors. N. L. Speake, supt.

Mullan Shoshone Rv. 509, 776

Gold Hunter Mining & Smelting Co., St. Paul, Minn., 76 Roberts St. Dennis Rvan, prest. R. B. Galusha, seev. F. I. Kavanagh, 1963. [G.A.Cox, m.r., Cap., bx 87207000]. Cold Hunter, silver, lead. Tim. nel, 20000 tous. Proc. water, concentration.

Hora & Ingalls - Lucky Friday, salver and lead - Retractory (band) developing

Worning Mining Co., Milwanker, Wis., Edwar Revino is press, B. J. Lein, incet seev. Trank J. Kr. trons. D. B. Hantley, near and supl. Cap Sik 8, 1990. Morening. Evening. Sover King, silver, be Limited, 163,000 trons, retriaction. Social moderate concentration. Trank J. Kipp.

Butte Creek Mining Co. Fred Dutton, Itasto - Butte Creek gold - Placer hydraulic - A. L. Smithous,

John Councerilly lessee . Louisville, kv. Golden Chest, Lold. Daniel, 14,000 fors. Tree steam forstamps Mother Lode Manny to Mother Lode 2 do Annuel 1996, vater 5 stamps (D. H. Wilsey, ingrand

Frank Reed - Buckeye Boy, gold - Linne - 5000 tons (b) tractory - feating 5-stamps

Osleith Rv 520, 776

Genrid Alene Neillie Minning Co., 81 Para, Mann. Rosen Seite finan Americani Bank Borg., W. W. I., prest. A. P. Batchann, seep. H. Von der Weger Peras. Cope 318, 81/20 (2011), pp. 14-20. Finitus, 8309 (2012), 2010 (2013). W. W. Brancon J. Alexa, No. 5

John H. Davey & Son. Argentine, silver, from Shaff, failed, 14,000 fons, refractory, steap, cone i

Tinnia Mining Co., St. Paul, Minin, S. German American Bank Bidg. Chas. I. Diether, prest. Win Toulke, escyland frens. Cap 8th 84.000,000. Finite, alver. Tunnel, Lood tons. Bres. Sci. (CAS). Miney, 800.

George & Bradnet - Kall Buck, lead-silver - Francel, fortons, fre - T. T. George, sept

Harrington & Cook | Cap. 87,000, Capital, - ver, lead | Tree | developing

Mineral Point Mining & Lumber to Stiffwaler, Mining Transcrimings Evelope. Eds. Survey More appears. A T. Lindholm, see: Ouvid Tozer treas. Cap sity Survey. Ministel Point Specialized. prest. A 1 Findholm, s hand L N Maney, supt.

Silver Chord Mining Co., Chicago, Bl. Market and Jackson sts. Joseph Redald, prest. Samuel. Kline, seev. Cap stk 84,500,000. Silver Chord, silver. Limited. Geraelory. Joseph Klare, supt.

Spokane & Grint d'Alene Co., Spokane, Wash., Riverside av. T. V. Cook, prest. G. is Sected seev. T. N. Maney, mg. and supt. Cap. sik. 800,000. Wardage. Massoft and offers, seev. cap.ed. cod. Tunnel activatory.

### GOLD AND SHAVER -(CONTINUED)

LOCATION O	F MINE,
RAILWAYS, WAS	ER ROUTES
AND SHIPPIN	G POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Town COUNTY

Elmore, W. C. Picking & Co., Franklin, gold, silver, Tunnel, shaft, free, refractory; water: 10 stamps, W. C. Ŕу. Mountain Home Picking, supt.

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Placerville \_\_Be Rv. Borse City 776.

Boise California Hill Co. Austin Dougherty, mgr. Cap. stk. \$5,000. California Hill, gold. Placer, deep; bydrautic. Edwin Smith, Mountain Queen, gold, silver. Tunnel; free,

Geo, Tero and others. Belshazzer, Centennial, gold, silver. Tunnet, shaft, free; water, mill.

Quartzburg Boise Ry. Boise City 776 (40 hides).

Black Bear Mining Co. Anton Silvar, mgr. Black Bear, gold. Shutt, free, hand,

Gold Hill Mining Co. Gold Hill, gold. Shaft, free, steam; 25 stamps.

W. M. Nesbit & Co. Cap. 810,000. Gold. Shatt; retractory; steam. H. F. Gear, supt.

Redwing Victoria Rv. Ketchum 776 (50 miles).

Alturas C. J. Johnston. Solace, silver, gold. Shaft, refractory, steam,

Rocky Ban Mountain Home

Elmore Elmore Gold, Ltd., London, Eng., The Avenne, 11 Bloomfield St., E. C. J. R. Armitage, prest.; C. Harrison Smith, secy. C Cormick, supt. Cap. stk. \$1,500,000. Elmore, gold, silver. Shaft, free: steam; 50 stamps.

Ry. Mountain, 776 (65 miles).

Jim Blaine Mining Co. Alex, Cochran, prest., Timothy Downey, seey., J. B. Fitzgerald, treas., John Boyle, ngg, and supt. Cap. 1900,000. Jim Blaine, John Boyle and 5 others, gold, silver. Tunnel, 8,000 tons; free, steam; 10 stamps.

rtin & Golden, John P. Martin, prest, and sapt. Arthur Golden, seey, and ingr., George D. Golden. 4reas. Cap. \$100,000. Golden Bar, gold, silver. Tunnel, 6,000 tons. 4ree; water; 40 stamps. Ophir Mining Co., Wheeler & Hopper, 26 Broadway, New York City. Ophir, gold. Shaft, free, steam, 20

stamps Vishmu Gold Co., Ltd., London, Eng. Vishmu, Idaho, gold. Tunnel, shatt; free, steam, 42 stamps. G.A. McCormick, supt.

Salmon City Lemlii Ry, Red Rock, Mont., 776 (70 miles).

Lemin Lemin Placer Gold Minuig Co., Ltd., Denver, Colo., 43 Tabor Block, George J. Boal, prest., L. H. Jackson, Mont., Sery.; John G. Shields, treas. Cap. 8tk. \$5,000,000. Lemin, gold. Placer. W. S. Patterson, mgr.

Sand Point

Pratt Creek Mining Co. Hope, Adelaide, Canuck, Sam Rice and Exchange, gold, silver and lead. Tunnels. retractory; water, null Kootenar C. S. Smith, Pend d Oreille, Idaho Cap. \$1,000,000. Blue Joe Group, silver and lead. Tunnels, 20,009

, O. Pend d'Oseille Rv. 293. Saw Tooth

Alturas – Silver King Mining & Milling Co., Philadelphia, Pa., 234 S. Fourth St. Heavy Levis, prest., W. S. Wylie, Sey., Cap. Sik, \$100,000, Silver King, silver, gold. Slope, 500 tons, refractory, steam, mill. Win Hyndman, ngr, and supl.

Ry. Ketchum 776. Sea Foam (P. O. Challis) Ry.

Custer Mt. King Mining Co., Chaftis, Idaho, Chris, Worler, prest, and mgr., R. N. Hull, seey, and treas. Cap. 80, 000, Mt. King Mine, silver and lead. Tunnels, 330 tons, retractory, steam. A. M. Wilson, supt.

Ketchum 776. Sheep Mountain Custer (P. O. Ingkov De

Shambean & Bascom, Cap. 810,070. Cowpuncher, silver, lead. Open pit, tunnel, retractory, hand

Ketelmin 776 ci5 m. Shoup... Lenn. (P. O. Salmon City Rv. Red Rock 776.

Lemin Harris, Wood & Davis, Hamilton, Mont. Cap. \$50,00). Boulder Creek, gold. Placer (developing). Tree. a City — water. A. E. Wood, supt. Lemhi Mining & Milling Co., Salmon City, Idaho. Richard H. Chapman, prest., R. P. Quarles, seev, and Iteas. Cap. stk. \$60,000. Eurlington, gold. Timnel, 10,000 tons. Tree, water, 45 stamps. J. M. Parlit.

treas. Cap. st Owyher: P. C. Hanford and others. Cap. \$100,000. Ralph Hoyt and 3 others, gold, silver. Tunnel, shart. 10,000 1675(1)(1). — tons, free, arrastre, mill. M. F. Leebh, mgr, and supt.

Silver City Ry. Nampa, 776 (50)m. (.

Idaho and Pittsburg, Maning & Milling Co., Pittsburg, Pa., 25. Fifth av., John Irwin jr., prest., Lloyd L., Little, seey., James McKay, treas. Cap. stk. 82,500,000, Black Jack, gold, silver. Tunnel, free, steam, 10 stamps. Frederic Ivwin, supt.

Phillips, Sullivan, Belfast, gold, silver. Tunnel, L500tons; free. steam,

tons; retractory, hand.

Phillips & Sullivan, Cap. \$150,000. I 5 stamps. Isaac Phillips, supt.

The Poorman Mines, Ltd., London, Eng., Leadenhatt Bldgs. J. H. Botherton, prest., D. Ovenstone, seey, and treas. Cap. sts. 850, aco., Poorman, Blmos entral and 2 others, silver and gold. Shatt, tunnel, tree steam, mill. Philip J. Londergam, nar. and supt.

Trade Dollar Mining & Milling Co., Pittsburg, Pa., 603 Ferguson Block. W. H. Dewey, prest., John M. Patterson, v. prest., Thomas B. McKarg, seey, and treas. Cap. 84, 82,500,000. Trade Dollar, silver and gold. Tunnel, 1,000 four, tree, steam, water, in Stamps. E. H. Dewey, supt. g Co. Henry Lamb, prest,; H. Drought, seey, and treas., John Carlson, mgr. Cap. stk Father, silver and lead. Tunnel. Father Maning ST OUT DOLL

sunset Peak Shosnon (P. O. Wandner) Ry. shoshone Wallace 529, 776-10 m.

Vienna A A' O Redwing: Ketchum 776,

### GOLD AND SHLVER-CONTINUED

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 FORDINS, KIND OF POWER USED, STAMP MILLS, FEL, AND NAME OF MINE SUPERINTENDENT.
Town AN	D COUNTY	
Wallace Ry, 529, 73		Carbon Centre Lead & Silver Mining Co., Portland, Ore. 31 Stark 81. Nathan Elbott, prest, and mgr., II C., Johnson, seey., Geo., L., Story, Ireas. Cap. 8tk. 81,090,003. Foughant and Damond Fraction, gold silver, lead and cope per. Tannel, 73 tons, retractory, band. Axthan Elbott, supt.
		Cour d'Alene Mining & Development Co. W. H. Fiske, prest., N. Wittner, secy., Theo. F. Jameson treas., Frank J. Heller, mgr., Cap. 4k, 820,000, New Haven, silver, lead., Tunnel edeveloping.
		Granite Mining Co., Portland, Ore. V. B. Deho-fmatt, prest., E. Deho-fmatt, seey, and treas., G. B. McAulay, mgr. and supt. Cap. stk. 850,000. Granite, silver, lead. Tunnel, Locotons, retractory.
		Mammoth Maning Co. Mammoth, silver, lead. Tunnel, 1960 tons, retractory, free. Richard Wilson mgr, and supt.
		New Chicago, Mining Co., Geo. H. Heller, m.gr., New Chicago, Court d'Alene, silver and copper. Tunnel tree, refraetory, water. John Cronne, supt.
		Parrott Mining Co., Spokane, Washi, 59, Postoffice Block, Riverside av. S. G. Allen, prest., R. H. Greely seey, and figr. Lee. A. Agnew, freas. Cap. 8100,000. Parrott, silver, lead. Tunnel; retractory., gravity.
**		Silver Chord Mining Co., Chicago, Eli, cor. Market and Jackson sts. Joseph Baelleld, prest. Samue Kline, seev, and trens. Cap. 4k, 81,500,000. Silver Spray and 3 others, silver. Tunnel. Joseph Kline, supt.
		Standard Mining Co., A. B. Campbell, prest., F. S. Kinney, accy. John A. Finch, treas, and mgr., Cap-stk, 8500,000. Standard, Banner, lead, atver
		O. B. Walface, Black Cloud, lead and after. Shatt, tunnel, hand developing:
Wardner Hy, 77d	.Shoshone	Bunker Hill & Suffivan Maring & Concentrating Co., San Francisco, Cal., 123 Sansome St., John Hay Hammond, prest., B. L. Fody, seey., Wu, H. Crocket, Ireas, A. M. Clement, mag. Banker Hill, Suf- hvan, silver, lead. Timel. (Forecolous, retractory, steam, water, concentration). Francisch Jackius, sapt.
		Eureka & Crown Point Minin: Co., Tacoma, Wash. George Brown, trustee, Clarence Cunningham, mgr and supt. Eureka, Crown Point, silver, lead. Shatt. Steam.
		Last Chance Mining Co., Speciate, Wach, Parst National Bank Bidg. T. R. Moore, prest, H. G. Maedonald, seey. Charles Sweeny, 1621. Last Chance, silver, lend. Tunnel, 16900 fous, retractory steam, water.
		Old Abe & Tompkins Mining & M.Bag Co., Phil O. Rourke, prest, Aloe Rogers, v. prest, R. 4. Horn- siery, W.J. Saekar, 4rea a, Charles Saekar, mgr., Cap. stk. \$20,000. Old Abe, Tompkins, silver copper, Lumnel, Youton from tree hand.
		Sierra Nevada Mining (o), Poethard, Ore (A), B. Dehosfmatt, prest), E. Deho fmatt, seey, and frea (G), B. McAnlay, high and supt (C) pictle strong (S) Sacria Nevada, afver, lead (D) Tunnel, 63,000 for some fraction.
		Silver King Winnig Co. H. A. Jones, pre-t. George Gredner, accy., O. I. Shankland, from Werty, mgr., Cap. 4k, 84,683(c). Silver King, silver, lead. Shoft, futurel, 17,900 forms, steam, W. I. Hales, 8mjt.
		Stemwinder Mining Co., Porthard, Oce. A. B. Delaostmatt, prest., J. H. Smith, seey., F. Delaostmatt treas., G. D. McAulay, mg.). Cap. 8th, \$500,000. Stemwinder, silver, lead. Tunnel, agostrois.
		G. H. Frumbull. Hope, gold and silver. Tunnel developing tetractory,

Warren Ry, Weiser 776 (150 m)

Idaho H. D. Esterbrook - Brickmaker, Stubtwi t, 201d. Placer (rec. hand, water

Waterhouse & Jenny, Wei er, Idaho. Minnehalia, 2014, silvet - Shatt, tunnel (prec., hand

Washington, L. M. Barton, Cap., 80,000. Standard, Lockwood, gold, silver, copper. Shalls, finingly

Weiser Ry, 776.

### TRON

LOCATION OF MINE RULEWAYS, WATER ROCTES AND SIDELING POINT.

NAME OF COMPANY OF INDIVIDUAL LOCATION OF FRINCIPAL OFFICE NAME OF ALL CRISC CAPITAL STOCK, NAME OF MINE KIND OF ORE, KIND OF MINE, ANNUAL OF HELT IN LOSS OF 2 TO POLNIES, KIND OF POWER USED BUSY ETHNOUS IN , AND NAME OF MINE STREETINGS OF

Tows ONLY COLVEY

Bay Horse Custer Ramshorn Mining & Smelling Co. Post Roy, Ramshorn, iron, lead, copper. Tunnel, 2000 fons in est.

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINI OR QUARKY KAILWAYS WATER ROUTES AND SHIPPING POINT AND COUNTY

Lows

NAME OF COMPANY OR ISDIVIDUAL LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS PARTIAL STORY NAME OF MINE OR QUARITY KIND OF STONE, KIND OF MINE OR QUARITY ANNUAL OF THEFT IN TORSOL 2000 POUNDS, KIND OF POWER USEL, STONE OR MARBLE MILLS, LIMITKIENS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT

Pend d'Oreille Kootenn Cannon X Gray Linie Co., Spokane, Washi, 199 Radrond av A. M., Cannon, prest and freas A. E. Cannon Key, E. E. Mertann, 1921, and supt. Cap. 8th 850000. Pend d Ore "connaria", an external open pure steam, properties.

## ILLINOIS

### COAL BITUMINOUS

COAL BITUMINOUS		
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, Annual Outfut in Tons of 2,001 Pounds, Kind of Power Used, Coal Breakers, Washers, Coke Overs, and Name of Mine Supremitendent.
TOWN AND	COUNTY	TOTAL THE REAL PROPERTY OF THE PARTY OF THE
Aledo Ry 435.	Mercer	P. L. Bailey. Love's. Shaft, 3,500 tons: horse.
Alexis, Ry. 135	Warren	John Simcox (Jocal, ) Cap. \$5,000. Simcox. Shaft, 3,000 tons; hand.
**		William Cook & Son (local) - Cap. \$8,000. Empire. Shaft, 400 fors. horse
Alpha Ry. t35.	Henry	John Bland (Jocaf). Slope, 400 tons, horse,
Alsey Ry. 135.	Scott	Charles McGuire, Cap. \$100. Woodall, Tunnel, 800 tons, hand,
Alton Junction Ry, Wann t		Stoneware Pipe Co., A. F. Foster, prest., W. W. Stickney, seey, and mgr., John W. Koch, treas. Cap. stk. \$100,000. Slope, 7,500 tons, horse. William Watts, supt.
Assumption Ry 319.	Christian	Assumption Coal & Mining Co. David Lasharity, prest.; Silas A. Shafer, seey., D. J. Watson, treas.; P. L. Myers, nagr. and supl. Cap. 8th, \$40,000. Assumption. Shaft, 50,000 tons. steam.
Astoria Ry. 135	.Fulton	Astoria Coal & Mining Co., D. M. Hettrick, prest,; S. W. McCune, seey, and mgr., W. Scripps, treas, Cap. stk. \$10,000. Astoria. Shaft, 50,000 tons; steam. Edward Fellows, supt.
	**	Joseph Bottenberg, Cap. \$500. Bottenberg's, Slope, 1,200 tons, horse,
Athens Ry. 335.	Menard	Athens Mining Co., Peoria, Ill., Chamber of Commerce Bldg. H. W. Lynch, prest, Lee Kincard, seey, and treas., Evermont Eddy, mgr, and supt. Shatt, steam, compressed air.
	**	Wabash Coal Co., Quiney, Ill., 406 Main St. Fred, Wilms, prest, and mgr., W. Wilms, seey., S. W. Eldred, treas. Cap. stk. 860000. Athens. Shart, 150,000 tons, steam. T. P. Mowitt, supt.
Atkinson Ry. 142.	Henry	James Kay (local). Cap. \$1,000. Kay's. Shaft, 20,000 tons, steam.
		Mowbray & Lowes (local). Atkinson. Slope, 2,500 tons, horse. John Mowbray, supt.
**		Elery Riley (local), Cap. 8700. Atkinson. Shaft, 3,000 tons, steam.
Augusta., Rv. 135.	Hancock	Patrick Doyle (local). Cap. \$100. Williams Creek. Slope, 250 tons. hand.
		A. W. Marks (local) Cap, \$500. Eddlewise. Shatt, 1,400 tons, horse,
Avon Ry, 135.	Fulton	Thomas Caldwell (local), Cap. 8200. Avon. Drutt, 1,211 tons, hand,
Barelay Rv. 319.	Sangamon	George N. Black, Springfield, Ill. Cap. 875,000. Barelay. Shaft, 120,000 tons, steam. George Strebel, supt.
Bartonville Ry, 135, 327	Peoria	Collier Cooperative Coal Co., Joseph Van Norman, prest., August Lacour, seey.; F. J. Collier, trens., mgr. and supt. Cap. stk 810,000, Collier's, Slope, 35,000 tons, steam.
	**	E. Wolland & Sons (local). Cap. \$5,000. Wolland's. Tunnel, 7,000 tons: horse. E. S. Wolland, supt.
Betteville	St. Can	F. J. Brueggemann, 727 Lebanon av. Brueggemann. Shatt, 5,232 tons. Steam.
Rv 402, 408,		Consolidated Coal Co., St. Louis, Mo., Fourth, and Olivests. Chas. Ridgley, prest., Geo. F. Cutts, seey, and Ireas., J. C. Simpson, mgr. Cap. skl, 85,000,000. Green Mount. Shaft, 75,000 tons, steam. Rose Hill. Shaft, 50,000 tons, steam. Schurenam. Shaft, 100,000 tons, steam. Gartside No. I. Shaft, 75,000 tons, steam, Joseph Emery, supt. Richland. Shaft, 100,000 tons, steam. Chas Rodenberg, supt.

- 100,000 tons, steam. Chas. Rodenberg, supt.
   Glendale Coaf & Mining Co., St. Louis, Mo., 444 Market St. P. Brandenburger, prest., A. Brandenburger, seey, and treas, Fred. Brandenburger, mgr. Cap. 8tk, \$18,000. Glendale, Shaft, 100,000 tons, steam. H. Klingenbagen, supt.
- tons, steam. H. Klingenhagen, supt.

  Highland Conf Co., 712 St., Christ Neft, prest., Herman Michaelis, seey., Philip Wagner, trens., Henry Strothman, negr., Cup sib., 83,000, Highland, Shatt, 30,000 fons, steam. Henry Strothman, supt.
- Humboldt Mining Co., Wendlin Oexner, prest., Class, Lenz, seey, and supt., Henry Oexner, treas. Cap., stk, 9500 Humboldt, Shaft, 18750 tons, Steam.
- Klingentus Bros. (local), 409 N. Illinois St. Cap. \$1,000. Abend No. 1. Shaff, 3,500 tons, horse O. J. Klingentus, supt.
  - J. Krantz & Trupp Co., Cap. \$3,000. Branch. Shaft, 3,000 tons, horse,
  - Maule Ceal Co., 415 Pranklin st., John Wrule, prest, and treas., Prank Maule, seey., Robert Maule, augr., and supt., Cap. 8tk, 820,000. National, Main Guy No. 2. Slope, 68,000 tons, steam.
  - Louis Michaelis, 206 N. Race St. Pittsburg. Shatt, 12,000 tons, steam.
  - Remecke, Coal Co., Madisonville, Kv., Conrad Remecke, prest., Lukeman Bailey, seey., treas, and mgr., Cdp. stk. \$100,000. Remecke. Shaft, 750,000 fors., steam., John Brann, supt.
  - Walmit Valley Coul Co., 8t. Louis, Mo. (718 Clark av. Daniel Marsh, prest., 8, Marsh, seey, Walmit Valley, Shatt, 97.740 tons, steam, At. E. Powell, supt.
- West End God Co. Samuel Swam, prest., William Jacques, seey., Edward H. Painton, treas., James Bailey, mgr. and supt. Cap. 84k, 810,000. West End. Shart, 20,000 fons, steam.
- Yoch Coil & Mining Co., 1993 West Main St. William Hambleton, prest. Fdward. Westwood, Sery., Peter Schonebock, Ireas., Isaac Hewitt, jugr., and supt. Cap. 8tk. 855,000. Oak Hill, Shaft, 12856tons, Steam.

a thatte - Made on Win, Owen, Cap. 8700. Banner. Shatt, 500 tons, horse

Rv. 107

#### COAL-BITTAILYOUS (CONTINUED)

		COAL-BITUMINOUS (CONTINUED)
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT,		Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Sto K, Name and Kind of Mine, Anneal Output in Tors of 2700 Pounds, Kind of Power Used, Cole Breakers, Washers, Core Overs, and Name of Mine, Stephenterness,
Town ANI		
Bethel, Ry. 769.	Morgan	Henry Bosse clocal). Cap. 8500. Thompson. Shatt, 500 tons, horse.
Barkner Ry, 408,	St. Cast	Avery & Randle, Avery, Shatt, 240) tons, steam, J. Randle, supt
Bloomington Ry, 135, 170	McLean	McLean County Coal Co., 250 N. Main St. A. E. Stevenson, prest., L. M. Graham, seev., treas, and m. Cap. 8tk, 890000. Bloomington. Shatt, 625000 tons, hand, breaker. Thomas Radford, supt.
Blount	Aermilion De 121, 56,	Wm, Jay Woore, 1st Waling 81, (cap. 820,000, Tinwood, Shatt, 3,000 tons, horse, statues builty, supp
Braceville	Grundy	Braceville Coul Co., Roswell Muler, prest., Richard Ramsay, uigt, and supt. No. 2. Shatt, 29,000 ton steam.
Ry. 115. Bradford.	Stark	W. J. Eagelston, Cap. 81,000. Black Diamond. Shatt, soctons, horse,
Ry, 135, Braidwood, Ry, 145, 245	Will	Chicago, Wilmangton & Vermilion Coal Co., Chicago, Ph., The Temple: Transis Bartlett, p. sst. A. I. Sweet, seey, and ngr., Thos. A. Lemmon, Itens. N. C. & P., Shatt, a core tons, steam. A. H. Zelle
		Supt. Cooperative Coal Co., J. G. Kelly, prest, mgr, and supt. J. O.Connor, seey, and treas. Cap. 3th, 8500 Cooperative. Shaft, L000 lons, herse.
Breese	∈lmt =n	Cooperative, Shatt, 1900 tous, notes; Breese Puture Coul & Mining Co.—Theo, Kbutho, prest., Putz Koeh, seey and treas., Hv. Hummett, ng, and supt. Cap. 48k, 85,000. Breeze Past. Shatt, 50000 four steam.
Ry. 538.		and sipt. Cap. St. S. 1990. Tereze Fast. Shert, soperious steam, Consolidated Guiller, St. Louis, Mo., Fourth and Othorsts, Charles Richardy, prest, Love I entits, see and treas, J. C. Sampson, mgr. Cap. stk. 85,00,000. Breese. Shatt Jonger Charles, Reading, Win Hardingsink.
Brair Blott, Ry, 135,	Henry	Briat Bintt Minnig & Stock Co., A. J. Baethan, prest, and trees. A. R. Stoudard, seev. and 8 opt. Co. stk, Stoudard. Briat Bint., Slop. Jurese.
Brantield Ry. 65.		Phillip F, Juffy Joeal Hayward's, Shart, topo tons horse,
Bruce Ry. 781.	Moultire	Fairbarri & Bliss (local — Bliss: Slope, 2,000 (on) (horse,
		8 E. Met learly, (tap. \$15,000). Met learly, (Shatt and Slope, societies) horse,
Bryant .	Later of	Scott Bros. Cap, 85,000. Shatt, t.000 tons, steam,
Rv. 135.	1 11 11 411	Whitebreast Fuel Co., Chicago, III., 946 Rookery Pidg. J. C., Osgood, prest. C. F., Phelps, seev. G. W., Tract. Phys., L. J., Ph. Phys., mgt., Cap., 8th, 8th/conco., Man. C., Shatt, 46000 forus, steam, An-Jonkius, supt.
Banker 11:11 Ry, 170.	Macoupen	$\operatorname{Win}_{t} \operatorname{Neil}^{t} X(t) = \operatorname{local}_{t} - \operatorname{Win}_{t} \operatorname{Neil}_{t} \operatorname{mgt}_{t} - \operatorname{Shatt}_{t} A_{t}^{t} \theta(t) \operatorname{tors}_{t} \operatorname{Steam}_{t}$
Cable, Rv. 142	Метеет	Coal Valley Maning Co., Rock Island, Iil. R. R. Cable, prest. H. E. Sudiov seev, freas, and mgt. Castk 850,000, Cable. Shatt, slope, 200,000 tons, sto am. Robert Lee, supt.
		Mrs. C. B. Hill, Box 6 [local]. Hill. Slope steam, [1] B. Filis, supt
**	**	Chas, Peterson, Cap. 820,000. Peterson's, Shatt, 8,000 tons, steam,
Cambridge, By, 635,	Henry	Watom Bros - Chp. stk. 83,000, indv. cap, 84,500, -No. 2, -8hatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has, Watom, supt Shatt, 1,500 tons - steam, -c. has,
Campbell Hill	Jackson	Daniel Dawson, Dawson's, Slope, 300 tons, hand,
Ry, 463, Canton Ry, 135, 762,	Pulton	Prank Alward, local , Cap. 8, 500. Alward's, Shatt, 740 (tons) steam. Geo Fompkins supt.
		David Anld, Cap 8150 Slope, 480 tons,
		Remett & Lofty dessees . Charefull, Shatt, 25 tons horse, Geo, Lofty, supt.
		Canton Coal Co., Recthestnut st., J. B. Allen prest , treas and mgr., J. N. Ode, seev., Cap. 8tk, 8tc/9, West Canton., Shaft, Livetons, steam. Tunothy knight, supt.
***		A. W. Heald & Son. Cap. 820,000. Canton Old Shaft. Shatt. 50,000 fors, steam. Thomas Simmon's supplied to the steam of the steam.
	**	L. L. Jones Jocal . Black Jack Slope, 500 tons, horse,
		Will Whitham, 285 Fulton pl. (cap. 8to). Buckheart. Slope horse,
Cantrall Ry, 335,	Sangamon	Cantrall Cooperative Coul Co., John Crithin, prest. Michael Mengher seey.; John Barron, treas. J. I. Mehl, mgr., Cap. 84k, 822,000. Shatt, John Mer Leavy, supt.
Carbondaic Ry, 289, 349	"Jackson	R. J. Mason (local). Slope, hand,
		Charles A. Ray Jocals, Carbon Hill, Tonnel, 4,150 tons, horse and hand,
Carbon Hill Ry, 26, 13%	Grundy	Star Coal Co., Streator, Ill., W. H. Holcomb, poest, and mgr., C. H. Kathburn, see: " I. W. Perry, its is Cap silk Signation, Carbon Hill, Nos. Fand 2. Shaffs, aconorrous, steam. John D. Keibe, supp
	Williamson	St. Louis & Big Middly Coal Co. [1] C. Daves, prest — Clais, M. Hepburn, seey, J. J. McGetth, and trees. Sant J. Brush, mgr., Cap. 8th 850,000. Daves. Shatt, sequentials, steam. Peter defines, sont
113. 1000		Young & Perguolia docal . Cap 820. Young's Sope, 420 clous, horse,
€ aC.n		
Hy, 784		Harts, Cap Shone, Hall's Shart, governors horse,
		A than Jones, Cathin, Shatt, Good tons, horse,

the all mas homes local in the STT, is go, sortons hots.

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### COAL BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTH AND SHIPPING POINT	AME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 FOUNDS, KIND OF FOWER USED, COLL BERAKERS, WASHIFFS, (ORGE OFFICES, AND NAME OF MINE STREEMISTEDIEST.
Town typ Cour	
Centralia Marie Ry, 319, 335, 402.	on Centralia Mining & Manutaeturing Co. 8, M. Warner, prest., H. M. Warner, seey., Perdinand Kohl, treas., Peter Forsyth, mgr. and supt. Cap. 8tk, \$25,000. Shaft, 125,000 tons; steam.
Chandlerville. Ca Ry, 885.	ss. William Shore (local). Open pit, horse.
	on Garard Coal Co., Girard, Ill., A. J., Armstrong, prest., A. K. Young, seey, and treas.: B. G. Smith, ingr., Chatham. Open pit, 15,000 tons, steam,
	Lick Creek Coal Co. C. C. Armstrong, prest., Thos. Rinaker, seey., A. K. Young, treas. Cap. 8tk, \$30,000. Chatham. Shaft, 100,000 tons; steam.
Chenoa McLes Ry, 145, 762.	m Davies Coal Co., E. M. Pike, prest., Chas, Nickel, seey., mgr. and supt., R. G. Jordan, treas. Cap. 8tk. \$45,000. Chenoa. Shaft, 15,000 tons; steam.
Clarke CityKankak Ry.Essex784,Tracy3	
	m. Consolidated Coal Co., St. Louis, Mo., Fourth and Olive sts. Charles Ridgely, prest.: Geo. T. Cutts, Segy.
Coal City Grum Ry. 26, 145, 245.	treas, and mgr. Cap. stk. \$100,000. Big Four. Shaft, 80,000 tons; steam. Win, Harkes, Supt.
Coal Valley - Rock Islan Ry, 635.	id Banner Coal Co., Rock 1sland, Ill., Moline av. J. H. Wilson, prest, and supt. J. Pryce, jugr. Banner, Shaft, 80,000 tons. horse.
	Bardsley & Lee (local). Unki Dori. Slope, 630 tons, hand. Thomas Lees, 80pt.
Ry., 135.	gh. B. Egerton. Cap. \$15,000. Shaft, 13,000 tons, steam. W. E. Stanton, supt.
	J. Heppenstall (local), Box 246. Cap. \$5,000. Heppenstall. Slope, 1,600 tons. horse.
	Eh Hilbard, Cap. \$1,200. Tunnel, 500 tons, hand, Michael Humes, Tunnel, 1,000 tons; hand,
	Wm, T. Jefferson (local). Cap. \$200. Tunnel and slope, 800 tons, hand.
	Thomas Kipling (local). Cap. \$2,000. Kipling. Slope, 2,000 tons, hand.
-	J. Myers, Cap. \$150. Slope, 1,200 tons, hand.
	Quincy Coal Cu., Quincy, Ill. H. S. Osborn, prest.; H. C. Osborn, secy. and treas., C. C. Osborn, mgt. Cap. 8tk, 82,500. Nos. 33 and 34. Shatts, 30,000 tons; steam. Thos. Terrill, supt.
	William Robinson & Sun (foral). Cap. Son. Sunt. 20 Oaks, 104 a.
	Table 11 de la constante de la
	on Lottes Lord & Maring Pa. C. G. Erfelne prest, and mer. D. F. Douglass, seev. M. L. Douglass, treas.
RV, 319,	Cap, 816, 810,000, Collax, Shatt, 82,000 tolls, Steam, 30001 Alexander, Sape.
Hy, 563, 748.	on Consolidated Coal Co., St. Louis, Mo., Fourth and Olive 848. Class Ridgely, press; Geo. T. Cuttle, seey, and theres, J. C. Simpson, may Car. 848, Scoongoo, Albery No. 3, Shalt, 185,00 tons, Steam, Win, Fletcher, supt. Hemitz Blatt. 85,000 tons, steam, Win, Fletcher, supt.
	and treas, J. C. Simpson, nigr. Cap. 8tk. \$5,000,000. Abbey No. 4. Shatt, 150,000 tons, steam. Win. Fletcher, supt.
Copley P. O. and Ry. One 135.	ay, Owen Couley - Couley's, Slope, 800 tons, horse - A. M. Rosenburg, 84pt. da
	<ul> <li>James McGovetn, Patrick McGovetn, mgt. Cap. \$1,000. McGovern's, Shatt, 50,000 tons, horse,</li> <li>Charles Morgan (local), Cap. \$300. Morgan's, Slope, 600 tons, horse.</li> </ul>
Confferville Rando Ry, 709.	iph Coulterville Mining Co., James M. Jones, prest., mgr, and supt., J. Q. A. Nisbet, secy, and treas. Coult- erville. Shaft, 20,000 tons, steam
Cowley , K) P.O. and Ry Apple 26,	nox William Fish (local). Slope, so tons, hand.
Crab Orchard, William Ry, Marion 709.	son Ann Edwards (local) Open, pit, 1.700 tons, band.
	F. E. Ensminger (local). Ensminger Slope, 1,200 tons, hotse
Cuba Ful Ry, 275, 762	ton Cuba Umon Coal Co., Cuba. Shatt. Co00 tons, steam. J. McLaws, supt. Eagle Mining Co., Galesburg, Ill., 14 Sumner St. S. H. Bateman, mgr. and supt. Cap. \$20,000. Eagle.
	Slope, 25,000 tons, hand,
	Win, Nicholson & Sons, Star - Tunnel, 624 tons, horse, Win, Micholson, 80pt.
	Win, Rutherford & Co., Win, Ratherford, prest., H. J. Etnor, seey, and treas. Cap. 8tk, 840,000. Shatt, steam., J. G. Wilson, Supt.
19 750	(11) Solomon Maynard, (cap. 84,000, Maynard's, Shaft, 480 tons; horse,
Danville Vermi Rv. 146, 170, 784.	tonschidated Coal Co. St. Louis, Mo. Fourth and Olive sts. Chas. Roberty, prest., Geo. T. Cutts. Sey, and freas. J. C. Smijson, mgt. Cap. stk. S.500,000, Darville No. 3. Shaft, 100,000 tons, steam, Darville No. 4. Shaft, 200,000 tons, Act. Darmets supt.
	T. D. Frazec & Son (local). Cap. \$10,000. Eurcka. Slope, 3,000 tons, horse. D. L. Frazec, supt.
	wm, L. Le Warn, cor, Kumiber and Chandler, Cap. 84,000 Moor Bank. Slope, 3,000 fors, horse,

### COAL BITUMINOUS (CONTINUED)

RAILWAY	TION OF MINE, s, WATER ROUTES HIPPING POINT.	Name of Company or Individual, Location of Phincipal Office, Names of Officers, Capital Stock, Name and Kind of Mine, Annual Officer in Tons of 200 Founds, Kind of Power Used,
Town	AND COUNTY	COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT
Danville	Vermilion	John V. Lewis (local). Cap. 85000. Fairefuld's: Tunnel, 1,500 tons, horse.
		Elisha Lloyd, Cap. 82,000. Star. Shaft, 4,000 tons, horse,
**	**	J. E. Lloyd, Cap. 84,000 - Lloyd s. Slope, 4,800 tons, horse, E. D. Lloyd, supt
**	**	Manck Bros, (local), Cap. 85,000. Daisy. Shaff, 3,500 fors, horse.
	**	Ray & Bolton, 1012 Lincoln st. (local), Slope, 4,000 tons, horse, Win, Ray, supt.
••		Wm. Reifly, Danville, III., 40 Buchanan st.: Wagner, Tunnel, slope, 4.847 tons, horse: Ed Reifly, supf.
	**	Shepherd & Son (local), Cap. \$4,000. Shepherd's: Slopes, 2,000 fors (horse, W. A. Shepherd, supt.
		Strausbury & Watkins, local J. Cap. 840,000, Watkins' Glen. Tunnel, slope, 6,000 tons, horse, Win, Watkins, supt.
	**	C. D. Williams, Cap. 85,250 Slope, 6,000 tons, horse
Dawson Ry. 78	Sangamon 4.	treas, Cap. stk. 860,000. Dawson Shafts, 150,000 tons steam T. P. Mowatt, supt.
	Macon 9, 323, 571, 749, 784.	Decalm Coal Co., fool of E. Main St. H. W. Hill, prest., O. E. Corm, seey, and treas., W. C. Arinstrong, ingr. and sup. Cap. St. 800000. Decalm Shaft, 100,000 four steam.
De Soto. Ry. 31 Diamond		Big Minhly Coal & Coke Co. (Taspet Kochler, prest., Damel Steele, seey., mgr. and supt., G. H.). Bode ser, treas. (Tap. stk. 818,000. Nov. Land.). Shafts, a.d.g. tons. sternic Whitmenton and Minner & Mannia returned to the land. The French, and Mannia and Lays the st.
Ry. Bi	randwood 145, 215.	Wilmington coal Mining & Manufacturing to Chicago, Ill., The Temple, von Montre and La valle sts. Room 52, Hon H. J., Jowett, prist, 1/1/8 (ray, seec., James Dalgell, trens. H. C. Fordyce, mgr Cap, 84k, §150,000. Diamond. Shaft, 150,000 tons. Steam. David Skinner, supt.
Duncan's Ry. D	MHS Futton pwistown 235, 275.	Snider & Hendee (local) - Funnel, 360 tons, hand
Dunfermi Ry. 13	ine. Fuitou 5.	Whitebreast Fuel Co., Chicago, Ill., 96 Rookery Eddy, J. C. Osgood, prest (*) I. Phelps, seey. G. W. Traer, treas, T. J. Phillips, mgr., Cap. 84k, 81,300,000. Mine C. Shatt, 174,008 fons. steam. Alex Jenkins, supt.
	**	Whitebreast Fiel Co., Chicago, Ill., 90 Rookery Bidg., J. C. Osgood, prest., C. L. Phelps, seev. G. W. Traet, Beast, T. J. Phillips, mgr., Cap., 8tk., 81,00,000., Mine, D., Shatt, 75,000 fons. steam. Mex. Jenkins, 8md.
Du Quom Ry, 31	Perry 9, 709	Du Quom Gal Mining Co. C. McKinley, prest. J. M. Browning, seey. Browning. Shatt, theoretons, steam. Joseph Brookshaw, supt.
	**	Egyptian Mining Co., W. T. Maolin, prest. C. H. Hatfield, seey, and supt. (1, 8) 8m th, treas. Cap. stk. 85,000. Egyptian. Shatt, 300,000 forms. steam.
**	**	Excelsior Coal Mining Co., Thos. Wilson, prest., G. I., Blakesler, seev, and treas. N. V. Rice, mgr. and supt. Cap. 8th 8t. 00. (Excelsion - Shatt, 100,000 forms, steam).
**		Greenwood Coal Co. Win Greenwood, high Greenwood, Shaff, Greenwood, Sipt.
		Hern's Codery to Henry Hern, prest Hern's condery Shatt, 12000 fours, steam I trank Horn, supt. Jupiter Muning Co., Davision st., Jas. J., Sylvester, prest W. W. Sylvester, seev. and freas [8] B. Eaton, magrand supt. Cap. Stk., 850,000. Jupiter [8] Shatt, 144,000 fours, steam.
	**	Perry county Coal Mining Co., Don Onstott, prest., Who Goddard, seev., treas, and supt. Walter Will rams, high Crap. 8tk, 87,700. Perry county. Shatt, steam
		Superior Coal Mining Co., St. Lôms, Wo., 21 Lackede Bildg. Peter Nicholson, prest. A. M. Clark, mgt. Superior. Shaff, 30,000 tons, steam. Jas. Thornton, supt.
Last Peor Ry 37	ia Lazewell 8, 762.	Edwards & Colver, Peoria, Ini. 11. N. Jefferson av., local (1.4p. 8tk, 84,000) Last Peoria, Slope, 8,000 tons, steam (Win, Reynolds, 84pt)
Eduiburg Ry. 53	Christian	Edinburg Coal Minnig Co., Basil Greenwood, prest—Geo. F. Harrington, sery, and freas. David J. Lloyd, nigr, and supt.—Gap. 8th, \$50,000—Greenwood.—50,000 fors. steam, electricity and compressed att.
Lawards Ry. 13		Howatth & Paylor Bros   Cap. 85,000   Slope, 50,000 fons   steam   breaker   James Laylor, supr
		Kramm Bros, Peoria, Ill., 439 Woodner Eldy Cap, 810,000. Druft, 80,000 fons steam breaker. D. Kien- busch, supt.
Lilwardsy Ry 78		Madison Coult Co., 8t. Louis, Mo., 4t. Locust st., Win, L. Guy, prest, and treas. Jas. J. Blait, seev., J. D. Crabb, mgr., Cap. 8tk, 800,000. Edwardsville. Shafts, 350,000 fors. Steam.
	ooklyn Mine 408.	Eldotado Coal Co. J. H. Musgrave, mgr. Brooklyn. Slope, 6,000 fons. st. am
Llmira Ry N	eponset 135.	Chas, Gillet Shatt, to tons
Limwood Rv 13	5	John V Ludris, local) - Ludris, Shatt, 20,000 tors, herse
Equality Ev 40		Equality Coal Co., B. Temple, prest, treas, and mgr., J. J. Castle, seev., Cap. sta. \$1,0,000. Shall, 70,000 tons, Steam, 25-code overs, capacity 6,000 tons. Tra W. Jerrodas, supl.
hssex Ry 170 Lwing	0, 784	Thomas Treasure & Sons, John F. Treasure, seey. Cap. Spool. Treasure's Shatt greeters Forse, W. A. King, Joeal Kin, 'S. Open pit, 200 fors. hand.
Ry 15	uiton 700.	
Exeter By 78 Landbury	t.c.	Jas, F. Morris, Shope, 40ctors,
Ry 76	2.784 2.784	Walton Bros - Central - Shatt, 1,800 fons - Steam - Isaac Kerr, 817

### COAL-BITUMINOUS-(CONTINUED)

LOCATION OF MINE.  RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE NAME AND KIND OF MINE, ANNEAL OUTSET IN TONS OF 2200 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHIDES, CORE OVERS, AND NAME OF MINE SUFFERIMENDENT.
TOWN AND COUNTY.	4

Fairview Uniton Samuel Parr clocal). Coal Creek. Open pit, 320 tons; hand, Ry. 275.

Theodore Pumyea (local). Cap. 81,000. Pumyea. Tunnel, 3,000 tons; hand,

Fulton Claire Coal Co., Chicago III., 4/3 Phenix Bidg. J. S. Morton, prest.; H. N. Taylor, seey, and mgr.; J. F. ve 135. Stone, Ireas. Cap. stk. \$25,000. No. 2. Shaft, 80,000 tons; steam. Wm, Crinckshanks, supt. Farmington. Ry. Middle Grove 135.

Fiatt . Fulton F. R. Greene, Galesburg, 111., 23 Main st. Cap. \$40,000. Fiatt. Slope and shatt, 83,049 tons; horse and Ry. 26, 135, steam, C. H. Casson, supt.

Hamilton, J. C. Harper (local), Cap. \$1,000. Knight's Prairie. Open pit, 280 tons; hand, Ry. McLeansboro 408.

Fosterburg. Madison, Wm. H. Fichenal (local). Slope, 325 tons: hand. Ry. Dorsey 170.

B, F. Lucking (local). Charles H. Lucking, mgr. Cap. \$400. Lucking's. Shaft, 600 tons; horse,

Williamson Crystal Plate Glass Co., St. Louis, Mo., 404 Market St. E. A. Hitchcock, prest. Edmund T. Allen, seey.; Class. W. Barnes, treas.; H. Willson, mgr, and supt. Cap. stk, \$1,500,000. Fredonia. Shatt, 100,000 tons, steam. Fredonia.

Scarbro & Griffin (local) - Cap. stk. \$1,000 - Sprague - Shaft 2,000 tons: horse.

st, Clair, Chas, Becker, Cap. \$5,000. Treeburg. Shaft, 15,000 tons, Steam. Frank Nold, supt. Freeburg

Ry. 700. Randle Coal Co. Philip Conrath, prest.; Peter Herman pr., seey., treas, and mgr. Cap. 8tk. \$10,000, Randle. Shatt, 50,000 tons, steam. Wm. Randle, supt.

St. Clair Coal Co., St. Louis, Mo., 311 Olive St. Crittenden McKinley, prest.; E. B. Huff jr., seey., W. S. Scott, treas, and mgr. Cap. stk. \$25,000. St. Clair. Shaft, 60,000 tons, sfeam. Auton Danzer, supt.

Galesburg Pressed Brick & Tile Co., 23 Main st. J. C. Stewart, prest., J. H. Calkins, seey, and treas. Cap. stk, \$150,000. Shaft, 7.886 fons, steam. Peter Dolan, supl. Galesburg Knox Rv. 26, 135, 275.

Mrs. P. Milan (local). Cap. 84,000. Soperville. Shatt, 40 tons; horse,

Ross S. Woodward (local). Soperville. Shatt, 2,600 tons; horse and water. John Ross, supt.

Gray Eagle Coal Co., Win, J. Reed, prest.; Squire Anderson, seey., O. L. Peterson, treas, and mgr. Cap., stk., 84,800. Gray Eagle. Shaft, 20,000 form; steam. J. A. Bengtson, supt. Henry Galva, Ry, 135, 142, Philip Murphy (local). Shaft, 120 tons; horse,

James H. Murray. Cap. \$1,200. Murray's. Shaft, 3,500 tons; steam.

Grundy Gardner-Wilmington Coal Co., J. C. Lutz, prest., treas, and mgr.: J. F. Covey, seey, and supt. Cap. stk. \$200,000. Gardner. Shaft, 50,000 tons. Steam. Gardner. Ry. 281, 345,

Georgetown Vermition J. B. Clifton, Open, pit, 300 tons,

Ky. 135. Mercer Empire Coal Co. Edward H. Thayer, prest., Chas. F. Alden, seey., H. M. Gilchrist, treas, and mgr. Cap. stk, \$60,000. Shaft, 88,800 tons, steam. Chas. Shafter, supt. Gilchrist. Ry. V tola 135,

Macoupin Consolidated Coal Co., St. Louis, Mo., Fourth and Olive Sts. Chas, Ridgely, prest., Geo. T. Cutts, seey, and treas., J. C. Simpson, ingr. Cap. stk., \$5,000,000. Gillespic, Shaff, 150,000 fors; steam, John Rollo, supt. Gillespie Rv. 170.

ard ....Macoupin Girard Coal Co. C. C. Armstrong, prest.; A. K. Young, seey., treas, and ngr. Cap. stk. \$75,000. Girard, Ry. 145, 335. Shaft, 200,000 tons; steam and compressed air. Hiram M. Young, supt. Guard Glenburn.

Glenburn Coal Co., C. M. Swallow, prest., W. J. Calhoun, sery., W. W. Whaite, treas. Cap. 8tk. \$100,000, Glenburn. Shaft, 100,000 tons, steam. Chas. Swan, supt. Vermilion Ry, Oakwood 146, 170, Glen Carbon Madison

Madison Coal Co., St. Louis, Mo., 4E Locust st. Wm. E. Guy, prest, and treas.; Jas. L. Blair, seey.; J. D. Crabb, mgr. Cap. stk. \$900,000. Glen Carbon Nos. 1, 2 and 3. Shaft, 600,000 tons. steam and compressed air. H. Lesler, squt. Ry. 335, 763. Grape Creek ...Vernulion, J. W. Blue, Tunnel, 7,500 tons, horse,

Ry. 146.

A. M. Bushong, Cap. \$5,000, Bushong, Tunnel, 5,000 tons, Grape Creek Coal Co. J. B. Brown, prest.; A. N. Sullivan, seey, and treas.; Joseph Fairhall, mgr. Cap. stk., \$500,000. Nos. 4 and 5. Shaft and slope, 200,000 tons, steam. Geo. Coster, supt.

Kellyville Coal Co., Danville, Ill., 19 E. Main St., Room L. W. J., Calhonn, prest.; W. L. Runyan, seey.; M. Kelly, freus, and mgr. Cap. stk. 8500,000. Shafts, 250,000 fons, steam. James Doughty, supt.

Lucas & Rame, W. Rame, prest,, mgr, and supt. J. Lucas, seey, and treas. Cap. stk. \$1,000. Valley,

Dritt, 2,000 tons, steam. L. J. Mozier & Co. L. J. Mozier, prest.; C. J. Mozier, seey.; Jas. McDowell, mgr. and supt. Cap. 8tk. \$10,000. Grape Creek. Slope and open pit, 50,000 tons, horse.

Pawnee Coal Co., Chicago, Ill., No. 235 Rookery. Bernard Hinrod, prest, and Ingr., R. W. McKay, seev, and Iteas. Cap. 8tk, \$25,000. Pawnee. Shatt, steam. W. W. Keeter, supt. (developing).

Protective Cooperative Mining Co. Joseph Hays, prest, and freas., David Owens, seey.; John Shaw, mgr, and supt. Cap. 8tk, 85,250. Cooperative, Shartt, 65,000 forus; horse.

Spellman Coal Co. Thos. L. Spellman, prest., S. J. Spellman, seey, and freas.; Wm. Tennery, mgr. Cop., 8tk, \$20,000. Drift, 50,000 fors. horse, steam. James Price, 81pt.

Menard Coal Co. S. T. Hurst, prest. J. A. Petrie, seey, and mgr., E. D. Taylor, treas. Cap. 8tk. \$0,00. Menard Nos. 1 and 2. Shait, 112,000 fors. steam. J. A. Bracken, supt. Ry, 145.

Mercer Grillin Bros. (local), Cap. 810,000, Shatt, horse, Ry, New Windsor L.5.

Lazewell, J. T. Mace, Pekin, Ill. clocalt., Cap. 8300 Umon. Shaft, 20,000 tons, horse,

### COAL RITUALINOUS (CONTINUED)

COAL BITUMINOUS (CONTINUED)		
LOCATION OF MINE, MILWAYS, WATER ROTTES AND SHIPPING POINT.  TOWN AND COUNTY.	Name of Company or Individual, Location of Philodeal Office, Names of Officers, Capital Stock, Name and King of Mine, Anneal Outbut is Tons of 200 Pounds, King of Power Used, Coal Bergeles, Washers, Coke Ovens, and Name of Mine Sufferintendent	
Groveland Tazewell	Jacob Schmidt Bocal). Cap. \$2,000. East Peoria. Shaft, 5,654 tons, horse	
(Continued,)		
Grubb Jackson	Geo, Wieland (local) - Cap. 8500. Shatt, 0,700 tons. horse: A. C. Crain (local) - Crain's. Slope, 160 tons. horse.	
Ry. 700		
Hampton Rock Island Ry, 141.	Groth Bros. Porter's: Slope, 925 tons, hand.	
	Northern Mining & Railway Co., Samuel Heagy, prest., Morris S. Heagy, seev, and treas. Cap sik 824,000. Shaff, 6,338 tons, steam. Robert Fickett, supt.	
Harmony Station St. Clair (Not a P. O.) Ry. 102. Harris Fulton P. O. and Ry. Bushnell	Crown Coal Co., St. Leuis, Mo., toot of Carrest, al. T. Taybu, prest, and sopt. Bart S. Adams, seek, and freas. Cap. stk. 80,000. Crown. Shaft, Sociotions. Steam. Robert Orr. Joeal. Orris. Slope, fortons. Jaind.	
135, 762. Harrisburg Saline Rv. 170.	Davenport & Co., Wm. V. White, seey, and treas a John Davenport, mgr, and supt. The a Heedy. Shart Tyou funs, steam.	
	Howell & McCreery, Cap. 815,000. Chiton. Slope, 700 tons, horse, Wg H. Howell, supt.	
Hawley Henry Ry, Galva 135, 635,	John Rochford, Cap. 8500 Round Grove. Shaft, horse	
	Smith & Hodsalt, local - Round Greve - Stope, Live tons, steam - S, Ho, , s.c.; Z. T. Casteel, . cap. 82,000 - Hoolen - Shatt, 1,00 (tons) horse	
Hillsboto Montgomery Rv 170	Hillsborre Coul. Co., G. W. Pass ex, prest. W. A. Linney, seev. treas and inc. Cap. st., 8 0,000. Shart boroutous, steam. Win Kortkamp, supt.	
$\frac{HoPrs}{P} = \frac{Peorial}{M(m) \times 762} = \frac{Peorial}{M(m) \times 762}$	German Goal Co. Henry Gerber prest and $m_{\rm e}^{(1)}$ John Backes, seey. Fred Bochen treas. Cap. Sk. (Lein, B. march., Stope, Egger Fore, Fred For.)	
	James Reigan - Cap, 8,500 - Lamarsh Creek Nig t - Op in pit, 70,000 tons. Lam	
	Adam Shoft, Peoria, III., Woolner Eldy, Roope (to a up 8200,00). Shofts No. 1001. Sop. and Shutt 124,000 tons, Steam, Joseph Shoft, supt	
Hommek , Vertuilion By, 763,	J. W. Jones, Joseph. Open pit, 775 for a horse	
	John McIntage Joseff - Tugne (Ageton) :	
	$A_{\rm th}(\mu_{\rm th}) = \sup_{n \in \mathbb{N}} A_{\rm th}(\mu_{\rm th}) = \sup_{n \in \mathbb{N}} A_{\rm th}(\mu_{\rm th}) = \sup_{n \in \mathbb{N}} A_{\rm th}(\mu_{\rm th})$	
I paya Fulton Rv 3.5	CAR Roddis, Cap Stoom (Ipixa: Dame) 1200 for (Robert Road's 1997)	
Julidee Pentia Rv 1 dw.mds t.5.	Samuel Mosley (Jurisher) Turnell, Witons ther	
Katha ev Lat Safer Rv 26, 135, 145, 784.	Starton, co. Stonton, P., W. H. Horonolo, et al., e.g., c. P. 1, e.g., t. W. Perry Dias, Cap Stk, St.,00,000. Kanaley Nos, Lamin, Santon good one, see al., al., e.g., t. k., e.g., s. of	
By 1 c	Thomas Carlet Todal Cap. 8200 Shatt, Victory Toda	
	he not l Kempen, for at a Soper, 1.14, for a few	
	Kewanee Coal Co. T. I. Baler, prest. J. C. W. Sanc, Societ. A. M. Herritt, as S. A. W. Fre P. aug. Cap 81k 825,000. Shall, 70,000 rous. Steam. J. J. Crawa, supt.	
	Altomas Lesfer Social Stope Borse	
	I blotts & McMullen Joral Shutt exponetous so by Philip Henrica	
Kir interaction (Pertra- Ry Edwards La)	John Jordan Jorda : Prince Store sectors (	
Kimmondy Macroni Rv. 35	W S Matthews area? Kammaner (8)	
	4. C. Godds, Jorda, Bry 182. Sheft to retain the	
	Samuel Hopper & Son Toked Company States of Financial Control Same (Hopper Science Science Hopper Science Science Science Science Hopper Science Scien	
Last Book and Book and	Whiteboard Lieb to schools (P. Stell Rossey, R. J. d. C. Organo (see f. et al.)). A William George L. J. Ringpo, mag. (C. p. 82) 83 (e. o.). Alta Li, (S. et al.) (e. e. e. e. al.) I belief of supple	
P. O. and Rv. Orchard Marcs 762	D. R. Roberts - Cap. 8, 2000 - Roberts - Solven and a solven as show	
L., Salar La Salar RV 455, 142, 319	12 nos Valley Coal Co. J. L. Joyana, A. J. O. Wylett, A. V. L. L. P. S. H. J. Co. C. Silvit, 15000 tons. Sci. n. G. W. Wylett, 1947.	
	<ol> <li>Saile County Carbon Co. J. C. J. J. J. C. posts, F. O. Wyatt, Proc. Phys. B 841, 403 (1996).</li> <li>La Saile and Rockyck, Propositors of an article W. W. Proc. Phys. B 11, 120 (1997).</li> </ol>	
	Wardnessen & Hegelet Zingere (1) C. Hegelet was to f. W. M. 22. Steam, John Henry, apt.	
	Opesby toul to T. T. B. of, press to some and t. T. Bertin, a Science of E.	

Oriesto Coult to T. T. Bart, predictors are countrilled by the Science of Education States.

Muddy Valley Rv. 319.

### COAL-BITUMINOUS (CONTINUED)

	COMMITTEE CONTINUES
LOCATION OF MINE, KAHLWAYS, WATER ROUTE AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,  NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED,  COLL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.
Town and Count	
La Salle La Sall (Continued.)	e Umon Coal Co. James W. Duncan, prest., A. J. O'Conor, secy., John Smart, treas., N. W. Duncan, negl cap, stk. \$30,000. No. 1. Shalt, 125,000 tons, steam. B. M. Hetherington, supt.
Ledford Salm Ry, 170.	e James C. Heenan. Cap. 8500. Ledford. Slope and open pit, 481 tons; horse,
	n (Isaac Bath (local), (Bath. (Slope, 4,200 fons) horse.
"	Jerome Williams (local). Cap. \$100. Athy. Tunnel, 4,000 tons; hand,
Limestone Peori P. O. and Ry. Peori 327, 762.	a "John Lauck (Jocal). Cap. \$1,000. Green Valley. Shaft, 6,000 tons; steam. Geo. Freezer, supt. a
0.00	James Slean (local). Cap. \$400. Slean's. Slope, 10,000 tons; hand.
Lincoln . Loga Ry, 145, 319, 571.	n Citizens' Coal Mining Co. A. Maylield, prest., P. Casey, secy., P. Oleamp, treas. Cap. stk. 860,000. Citzens'. Shaft, 100,000 tons. steam. F. F. Holmes, supt.
	Lincoln Coal Co. Cap. \$200,000. Nos. I and 2. Shatt, 90,000 tons; steam. Frank Trover, supt.
Litelifield Montgomer Ry, 170, 335, 784.	ardson, mgr. Cap. 8tk. \$10,000. Literinela. Shart. Steam.
Loceyville Burea Ry, 142.	n Chicago, Williamgton & Vermillon Coal Co., Chicago, Ill., The Temple, cor. Monroe and La Salle ste Francis Bartlett, prest., A. L. Sweet, seey, and mgr., Thos. A. Lemman, treas. Open pit, 50,000 tons steam. James Cherry, supt.
Loding Rock Islan Ry, 135, 141, 142.	d Donald & Jamieson (local). Cap. \$2,000. Shatt, 4,000 tons; steam. E. G. Jamieson, supt.
	John H. Loding clocal). Cap. 82,000. Loding. Slope, 4,000 tons; steam.
Lombardville . Star Ry, 135.	k A. W. Higber (local). Cap. \$1,000. Lombardville. Shaft, 450 tons, horse.
Mapte's Mill Pulto Ry, 320, 335.	n J. W. Lamb. Lamb. Slope, 600 tons, hand.
Marietta Fulto Ry, 762.	n J. A. Anderson & Sons (local). Slope, 360 tons.
	m William P. Aflen (local), Box No. 188. Slope, 7,500 tons, hand.
44	William Tippett (local), Cap. \$500. Slope, 750 tons, horse,
Marissa St. Cla Ry, 402.	ir Consolidated Coal Co., St. Louis, Mo., Fourth and Olive Sts. Charles Rulady, ptest., Geo. T. Cutts, see, and treas, J. C. Shintson, mgt. Cap. Stk. 85,000,000. White Cak. Shart, forceo tons, steam. Charled Englisher, Super-
Milan Rock Islan Ry, 635.	d William Parker (local). Cap. 81,000. Shalt, 2,500 tons, hand and horse.
	Fred, Von Ach (local), (cap. \$00. Aon Ach. Shatt, 125 tons, horse,
Millersburg Merec Ry. Aledo 135.	<ul> <li>Parker &amp; Morris (local), Slope, 68 tons, hand.</li> </ul>
Millstadt St. Cla Ry, 463.	Millstadt Coal & Mining Co., Win. Preusser, prest., Charles Jacobia, seey., Joseph Marxer, treas. Tho Sutton, mgr. and supt. Cap. 8tk, \$6,000. Shatt, 17,000 tons. Steam.
Ry. 142.	m W. H. Forrest, Cap. stk. 810,000. Indian Hill. Shatt, 5,000 tons, horse.
Mmonk Ry, 26, 349. Woodfor	[5d] Estate of Miner T. Anies, Chicago, Ill., 145 La Salle st. Afrs. Irene C. Anies, administratrix. Cap. \$165 000. Chicago and Minonk. Shaft, 100,000 tons, steam. D. S. Richards, supt.
Mission Fields .Vernuhe Ry, Oakwood 170.	on John Woodard. Shaft, 2,000 tons. horse.
	an Charles Berry & Sons docab. Charles Berry, mgr. Cap. 8800. Guver. Shatt. 600 tons. horse. Wilhan Berry, supt.
	Wesley Dairymple, (cap. \$6,000 - Black Diamond). Shatt, 7,500 fons, horse,
Monmouth Warre	en William Packard (local). Slope, 60 (tons.) hand.
Monterey Fulfe Ry, Canton 1-5, 762	on Robert Williams clocal). Slope, 7 lons, hand,
	on Herman Kabel docal). (cap. 8500.) Shaft, 1,200 tons. horse.
Morvis Grane Ry, 142	by Heather & Wood docal : Cap. 82,600. No. 4. Shatt, 5,000 fons. horse. Wm. Wood, supt.
	F. L. Thurston (local). Shart, 1,500 tons, horse.
	A. F. Watson (local). Shaft, 600 tons, horse,
Mt Ohye Macoup Ry, 335, 784	in Consolidated Coal Co., St. Louis, Mo., Fourth and Olivests. Chas, Ridgely, prest., Geo. T. Culfs, seey, an Heast., J. C. Sunjison, nigr., Cap. stk. \$5,000,000. Mt. Olive No. 10. Shaft, 200,000 fons. Steam. Mt. Oliv No. 8. Shaft, 255,000 lons. Steam. Jos. C. Hebenstreit, sapid.
	Mount Olive Coal Co., G. E. Taintor, prest., G. D. I. Hullier, seey., A. J. Moorehead, asst. freas, and mg cap, stk. st.000,000. No. t. Shatt. (50,000 tons, steam, Joseph Hann, supt.
Moweaqua Shel' Ry, 319.	
Market Santa Santa	White Valley Moring v. Moring v. Moring of the N. C. Wright prest. Middy Valley. Shatt, 150,000 tons, steal

 $\label{eq:landsyn} And dy Valley Mining & Manutacturing Co. N. C. Wright, prest. Middy Valley. Shaff, E0,000 tons, Steam, John Forester, supt$ 

939

Tiy. 463.

Rv. 135, 142,

## COAL-BITUMINOUS (CONTINUED)

LOCATION OF MINE. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAFITAL STOCE BAILWAYS, WATER ROUTES NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2001 POLNDS, AIND OF POWER USED, AND SHIPPING POINT. COAL BREAKERS, WASHERS, COLE OVENS, AND NAME OF MINE SUPERINTENDENT. Gartside Coal Co., St. Louis, Mo., 54 Pine st. C. E. Gartside, prest, treas and mgr., Alexander Hamilton, seey, Cap. stk. 890,000, Nos. 1, 5, 4, Shaits 120,000 tons, steam and compressed air. Frank Hartman, supt. Murphysboro, Jacks Ry, 289, 319, 458, 463. Jackson New Kentucky Coal Co., Cheago, Ill., 245 Dearborn st. P. D. Whitehead, prest. Thos. J. Whitehead, seey, and treas. Cap. stk, 800,000. New Kentucky. 500,000 tons, steam. Edgar E. Poole, Cap. \$2,000, Poole, Shaft, 1,500 tons, steam, 8t. Lonis Ore & Steel Co., St. Lonis, Mo., Granite Bldg. E. A. Hitchcock, prest. O. L. Garrison, seey, and freas. Shafts Nos. 4 and 5, Harrison. Shafts, 100,000 tons, steam. J. D. Peters, supt. D. P. Wiffis (local), (Cap. 842,000, Willis: Shaft, 12,000 tons, steam, Thos. W. Gill, supt. Morgan, F. Wagstaff (local), Wagstaff, Open pit, 120 tons, horse, Marrayville Ry. 145. Salme Davenport & Co., Harrisburg, Ill. John Davenport, prest. W.N. White, seev, and treas. W. Hallsopp, mgr., Cap. stk, 89,000. Newcastle. Shaft, 30,001 fors. steam. W. R. Williams, supt. Newcastle Ry. 170. Livingston 4., A. Munts & Sons, Joeal Capestle 8000000. Munts. Tunnel, 100 tons, horse, Tentown. P. O. Streator. Nuntie, Ry, 784. Macon Number Coal Co. Henry Shlandeman, prest , Albert Bathes, seey,, treas, and mgr. Cap. 8tk, \$25,000, Shaft, 100,000 tons, steam. Eichard Henley, supt Macoupin Nilwood Catbon Coal Co. H. Cooper, prest. I. W. Cooper, seev. and Ticas. C. Cooper, Ingr. and Supt. Cap, 8tk, 845000. Shaft, 160,000 fors, steam. Nilwood Ry. 145. Norris Fulton D. H. Williams, Cap. 85,000 Norris, Shart, 40,000 tons, steam, W. J. Spencer, supt. Ry. 135. North Alton Madison, Nathan Syddall, Cap 800, Shaff, 5714 tons, horse, Nathan Syddall, supt. Ry, 145, 170, 708, Vermilion, Consolidated Coal Co., St. Loiss, Alogeot, Fourth and Olivests, Chas Ridgeley, prest, Geo. I. Cutts, seey, and Treas, J. C. Simpson, 1921. Cap. 8th, 85,000,000. Mission Field Strippings. Open pd. 120,000 tolsis, Stein, A. C. Daniell, supr. Ord-wood Rv. 146, 170, Middle Fork Coul Co. George W. Abdill, prest. Alichaef Prance, seey, cap. 8tk. 8100,000, Trance. Shatt, 170,000 tons, Steam. Alfred Elde, supt. Marion Odin Coal Co. N. B. Morrison, prest., F. D. Secor, seev., ingr., and supt., Ira W. Lane, treas. Cap. 8th, 825,000. Odin, Shaft, 100,000 toris, steam, Odm Ry, 319, 538. O'T'allon St. Clair Win, Crowson & Sons, St. Lonis, Alo, 502 N Seventh st. Win, Crowson St., prest., Fred Crowson seey. Elilin Crowson, treas, and supt. Win Crowson II, 1021. Cap 8tk, 825,000. Dattow. Sh Dartow, Shatt, TOV. 538 annoctons, steam, Washington F W stricker local - Cap \$5,000 - White Smoke - Shatt 1,000 tons steam, M ke Batthasar, supt. Okawville Ry, ans, Ora Jacksoft Win Campbell focals, Cap 82,500, Campbell's, Slope, Notons, horse, Rv. 163. Henry Ditzler Cap Son, Enterprise Sope, 500 tons horse, Peopla, J. J. Petti, Joeal., Pekin J.J., Slope, so toas, hand Orchard Mines Ry. 762. James Green clocal), Cap. S'ou, Green, Slope, 1,200 fons, hotsu Offer Creek P. O. and Ry La Salle N. Phumb Jessee : Cap \$25,000 Offer cock, Shaft, 40,000 tons, steam, 26, 145, 784 Fulton Isaac Hendee (cap. 8200 local) Furkey Branch (Denne' 4 5 tons) hand, Otto Ry. 749. Christian Penwell Coal Maning Co., Geo, N. Penwell, prest, treas, and mgr., L. Schleisbach, sect., Cap. 8tk, 86,000, 38. Penwell Colliery. Shatt, Eurocetons, steam, John Lee Dixon, supt Pana Ry, 170, 319, 538, Springside coal Mining co. D. J. Overholf, prest, and treas., Lewis Overholf, scry. Cap. 8th, 85000, 8batt, 200000 tons, steam. John Duddy, supt. Lazewell, Frank Lowery, Cap. 810,000, Hawley, Shatt, 25,000 tons, Steam Pekin. Ry. 571. J. I. Mace Joeal. Cap. 8300. Union. Shaft, 2,500 tons. horse, Peoria Richard Cody, Martin St., Cap. 86,500. St. at. 4,800 fors. Steam and horse Peoria Rv. 1.6, 142, 170, 336, 378, 574, 572, 749, 762, Wm. P. Grant, 720 S. Adams st., Care \$2,000. White Oak, Green Oak, Slope, stearn, Peter Grant & Son, Ha Depot St., John R. Grant, mgr., Cap. \$25,000, A veelsor. Shatt. Jood tons. Scann. tico, Wangh sta supt. Ed. Little Mining Co., 825 South Adams st. 4. Lattle, prest, and mgr. W. 1. Canty, seey and treas. Cap. 8tk, 85,000. Little. Shatt, 40,000 tons. steam. T. V. Flirett, 8upt. Millard & Wolsehlag, 2005 S. Adams st., Jas. Willard. mgr., Cap. stk. 810,000, "Willard's - 1 minet, 20,000 tons, steam," Stephen Wolsehlag, 8003. Royster Bros., 521 S. Washington St., Pimpire Shart, 20,000 fons, steam, compressed at Misses Royster F. P. Schundt & Sons (local) 1409 S. Adams st. Slope, 7,500 tons, Randolph Win, Goalby & Son, No. Land No. 2. Shatts, 22,082 tons, steam. Win H. Goal y Sapt Perev

La Salle Estate of Jas Calull, Cap. stk. 840,000. Calull. Shaff, inflorences steam of employed Calull, supt.

### COAL BITUMINOUS-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED,
Town One County	COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.
Parekneyville , Perry Ry, 319, 709, 408, 786,	G,W,Brown, Cap. 825,000. Open pit, 25,000 tons, steam. Thos, $M,Brown,supt.$
	Foust, Turner & Malone, Main st. Schulz's. Shaft, 3,000 tons, steam. U. Foust, supt.
	Wood Bros. Shaft, 1,500 fons, horse,
Pleusant Pl'us., Sangamon Ry, Frederick 135, 320,	and supt. Cap. stk. \$80,000. Pleasant Plants. Shaft, 8,487 tons, steam.
<ul> <li>Pleasant ViewSchuyler Ry, 538.</li> </ul>	Henry & Walter Croxton. John S. Vance, mgr. Vance's. Tunnel, 25,360 (ons.; hand.
	Pleasant View Coal Co. Thos. Allen, prest. Geo. Spillers, seey, and supt. Cap. 8tk, \$5,000. Pleasant View. Shatt. 4,000 fors. horse.
Pott-town Peoria Ry, 135.	Howarth & Taylor Bros. Cap. \$15,000. Young's and Red Bud. Drifts, 25,000 tons, horse. James Taylor, supt.
	Asaac Wantling & Son, Peoria, Ill., 611 Fourth st. Cap. \$49,000. Drut. lunnel. slope, 50,000 tons; steam, breaker. T. J. Wantling, supt.
Prairie City McDonough Ry, 135.	A. Hartford, Slope, 800 tons, hand,
	Thomas D. Peter Docherty (local). Shaft, 2,500 tons, horse,
leveling Javingston Ry, 26,	M. J. Barrackmaw & Son, 301 Main st. Cap. \$40,000. Shaft, 34,000 fons. steam
	Lukius & Cavanaugh. Cap. \$25,000. No. 2. Shaft, 35,000 tons, steam. Jas. Haddick, supt.
Rentchler St. Clair By, 408.	Wm. Ogden & Bro. Cap. 85,000. Enterprise. Shaft, 10,000 tons, steam. Henry Beible, supt.
Endgely Sangamon Ry, sit.	Springfield Cooperative Coal Co., John H. Scheibner, prest, mgr. and supt., Mrs. F. Scheibner, seey., M. Connelly, treas. Cap. 8tk, \$50,000. Shatt, 40,000 tons: steam.
	Wilmington & Springfield Coal Co. Win. Ridgely, prest., Edward Ridgely, seey, and Ireas.; George C. Simpson, mgr. Cap. stk. \$60,000. Nutl. Shafts, 100,000 fors, steam. Win. T. Golden, supt.
Ridge Princie — 8t Clair Ry, 538.	Consoladated Coal Co., St. Louis, Mo., Fourth and Olivests. Chas. Radgely, prest., George T. Cutts, seey, and trens., J. C. Shinpson, mgr. Cap. 8tk, 85,000,000. Mentor. Shart, 150,000 tons, steam. William Harding, supt.
	Consolidated Coal Co., St. Louis, Mo., Fourth and Olive sts. Charles Ridgely, prest., George T. Cutts, seey, and treas., J. C. Sumpson, mgc. Cap. stk, 85,000,000. Alma. Shatt, 100,000 tons. Steam,
Riverton Sangamon Rv. 784	Biverton Coal Co. R. W. Jess, prest, and treas., W. B. Jess, seey. Cap. 8tk, 840,000. Shaft, 300,000 tons, steam. J. A. Ager, supt.
Roznoke "Woodford Ry. 26.	Roemoke Mining Co., Peter Belsley, prest, and mgr., Benjamin Belsley, seey., Z. R. Trainer, treas. Cap., 8tk, 8250-00. Shatt, 46500 tons. steam. John Gray, supt.
Rockbridge Greene Ry, 15.	1) (III Bres. Joen). Slope, 0.000 tens. Iterse, hand.
Rockland Grove - Mercer P. O and Ry, New Windsor 135.	$\Gamma$ ). Peterson, local : Parker's Run. Slope, suctons, horse and hand,
Roodhouse Greene Ry, 145,	Victor Coul Mining Co., Ellis Briggs, prest., Geo. E. Briggs, sery, and freas., J. F. Cobaugh, mgr, and supt. Cap. 8th, \$10,000. Anctor. Shatt, steam.
Rosborough Randolph Ry 46.	Rosborough Coal & Manutacturing Co., Sparta, Ill. R. Il. Rosborough, prest, and mgr.: D. P. Batket, seey. Rosborough. Shaft, steam. Charles Adams, supt
Rushville Schuyler	John & Perry Hodge. McKee. Slope, 2000 tons, band
	John Kert, Cap signo, Kert's Shatt, biobetons, steam D. Roosa, supt
Ruffland La Saffe Ry ag	Rut and Coal Co. 1. Hake, prest - Win, G. Sutton, seey., Win, Malcolin, ingr. and supt. Cap. 8tk, \$200,000. Rutland. Shaft, 90,000 fors - steam
St Clan St Clan P.O and Ry Belleville 101	Voel, God, & Mining Co., Bellivalle, Hh., 268 Silver St., Win, Hambleton, prest. John R. Falcetto, see a., Peter Scheenerbeck, treas. I state hewett, mgr. and supt. Cap. 84k, 8450 (c). Oak Hill. Shatt, 2002(c) force, steam.
Saint David I alton Rv 15,	Whitebreast Find Co., Chicago, El., 940 Roberty 19d <sub>21</sub> , J. C. Orgood, prosta, C. E. Phelps sery., G. W. Laret, Treas., T. J. Phillips, near. Cap. 8da, 84,500,000. Marc. 1. Shatt. 90000 toris, steam. Alex. Joulains, 8490.
	D. H. Wilbarns, Cap. 840,009. St. David. Shaft, 40,050 fons, steam. W. J. Spencer, supt.
	Hlino - Central Coal X Sult Co., Cano, U.C. T. W. Haffukov, prest : Al. C. Wright, seey., S. M. Neely, mgr., Cap. stk. Szoon., Paradisc., Slope, 120,000 tors, steam
Table Marion	Salem Coal Co. Trasmus Hull, prest. John W. Latimer, seev. Frank Schwartz, treas. Albert R. Allmon mag. and supt. Cap. 8tk, 85,500. Salem. Shart, 5,000 fors. Steam.
= ne Mines Gallatin Style Shire nection in 10s.	Andrew Read Josal , Saline, Slope, 20ctors hand Robert Read, supl
	13. 14

ovid Marion Sandoval Corla Mining Co. Jas S Martin, prest J. J. L. Middleton, seey. Chas Bendhart, Irens., William (eds., ng.) and supt. Cap. Stk. Second. Sandoval No. L. Shaft, 100,000 for steam.

"Good P O. Ry 3 to Singamon Minos Finel Co. Chicago, 4B., 720 Phenas Bidg. Benj. Tyes, vaprest, and argin. Cap. 8tk. Si50,000.

Nota P O. Ry 3 to Singamon No. Shaft, 100,000 for steam.

### COAL-BITUMINOUS (CONTINUED)

Loc	ATION OF	MINE,
BAILW.	AYS, WATE:	R ROUTES
AND	SHIPPING	POINT.
Town	AND	COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2300 POUNDS. KIND OF POWER USED, COAL BREAKERS, WASHIRS, COKE OVENS, AND NAME OF MINE SUPPRINTENDENT

Saratoga

afoga Grundy Alex Bell Jocal) | Cap \$500. Shatt, 600 fors. horse P. O. and Ry. Morris | 442.

Ry. Bryden Junction

Jackson Sato Coal & Mining Co. Tsom Chesney, prest., A. F. Kramer, seey, and sapt. G. W. Plellips, treas, and limetron migr., Cap. 8tk, 85,000, Sato, Shaft, 250,000 fors, steam.

424. Seneca

La Salle, Standard Coal Co., Cap., stk., 8100,000. Shuft, steam, George Mecleary, supt.

By. 142 Scelheld

. Bureau Hodgett Bros. Joeal Cap. 82,000 Slope, 20 tons, horse,

Ry. 142.

II. W. Lloyd clocal a Cap. 84,000. Lloyd's: Slope, 3,000 fons, horse,

Shelfield Mining Co., F. H. Griggs, prest. A. W. Bryden, seey, treas, and mag. Cop. stk. 870,000. Slope, 20,000 tons, horse

Shellovide

Shelby M. Brophy Cap, \$1,200 Brophy Shaft, 200 fors horse

Ry. 170.

J. Richardson, Cap 820,000. Richardson. Shaff, 66-foas, horse,

P. O. and Ry. Prince 100 135.

Bureau George Heatheock local Cap. 85000 Coal Hollow, Shatt, Moretons horse

Smithton Ry. Belleville 302, 108, 709,

St. Chiri. Johnson & Son. Tocal. Cap. 8500. High Practic. Slope, horse steam. Ten Johnson 8 sept.

Soperville O. Galesburg (Rv. 26, 15).

Knox Tssey & Son, Cap. 8th. Segent. Lone Or phan. Shaft, Littlens, borse. Goo W. Essey, stiple

Socento Ry 306, 763

Bond Sorento Prospecting & Maning Co., Lavfor W. "and proceeds J. B. Ocany, look and their Dell Williams, high standard Section Short Propositions and D. Beyerhalze, supt.

ith America — Salure W.A., Rush - Rush - Open pit apportors (hand Ry, Cattiers Mills 179) South America

Hardman B. L. Hall Society Halls - Tunner's Societies from the

Sparks Hill Ry. Shawneetown 40s.

Marshall Cumming A Co. Jos. P. Camberg, prost. Co., P. Cembrag, 8000. A B C round, the solution of Spariant. Shall proceedings shall

By. 142 Sparta.. Ev. 1600

Randolph Good, Standary Jona Standards Soperations hand

A A Brown over Thos Hesitetson

Sangamon, Black D amond to 1 & 150 cm. if W Master profit in a subsect of Science sees and to compare the space of Science Shart error respectively.

By 16.

Char Lake Cooperative Con. Co., Soventhol., Wir., When he is a 1-1 in Horse's so. Thos W. Smith treas, John Gart W. in t. time optic care of a Source Con., face, shart Socoocless obtain slevel optic.

Mrs. thus K. Harst, the H. H. Colling, Co. 1, Store to S. College and J. Line Holland, supt.

Santamon tool to 1 1 4 may per to a 19 Saff, 10,000 tools steam John Volce upt of R. E. and S. A. and Shoot Sangamon

Springfield Coal Maring A 1.5 Co., for 1. document of the country of processing to a long to a long to the country of the coun

Springfield diagetion coal Co., 34.8.1 mast. Thet. Hellow, no. 1, no. mat. Allomas 1 may see a fee Humov, trend and a pt. cap set sugar. Shaft 48 or Cons. Joan.

onlands to all to Talwards Brown, post Win H. Starck, review and inger Start Brown frees trap stle sagon. Woodspie Shaft, 7 (2001) by she in Archeo Vern, sept. Woodshietoglto.

Spring Valler, Ry Court Com-

Spring Valley Coal Co., M. H. Laylor, seek and the is S. M. Daller's many frequency is a subgroup. No. 1, 2 and 4. Slott abuse chairs, site at 1. P. Store and 3.

Staumton By 15, 184

Macouping consolidated Control St. Louis, Mo., Lo., Chinad Olive Sts., China Roberts, Government Control St., Stories of Standard No. 7, Sh. (2016) Standard

S. no Post 12: 170

Silving H.P. Silving books, trap 8200, Silving 4 annuly according frame

Stone Lord Mineral Co., J. W. Ross, possing D. W. Cho, Physics, Physical D. B. Serger, et al., Co. Stone Stone Lord

(5.110) Lac Saffer Ry (56.4) 145.784

John's Back & Co., Shatt, Courton . John Marshall, s.pt.

Cheago, Whiniston & Verm from Coal Co., Cheago, Ph. 17 (Borrows, J., Prop. 1981). If we post ACL Society and mark the ACL properties (No. 8) and society and society and No. 8 and society and society and No. 8 a

Cool Robert (Although Opera House 1800) North Cool Science (Cope State Co. Richard Even Short, acoustics of the

### COAL-BITUMINOUS-(CONTINUED)

LOCATION OF MINE. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK RAILWAYS, WATER ROUTES NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, AND SHIPPING POINT. COAL BREAKERS, WASHIES, CORP OVENS, AND NAME OF MINE SUPERINTENDENT. AND COUNTY Win, Howe & Co., Rooms 4 and 5 Schlitz Bidg. Win, Howe, prest, and mgr.: H. H. Charlton, seey, and treas. No. 1. Shatt, 10,000 fors. steam. E. Harrison, supt. Streafor La Salle (Continued) Wm, Lawton, Slope, 1,500 tons; horse,

Munts & Sons (local). Cap. \$500. Tunnel, 1,000 tons, horse.

Price & Jones, and Summer st. Shaft, 10,000 tons.

Samuel Simpkin, 301 Main st. Cap. \$7,000. Shatt, 36,000 tons. Steam.

Fulton Solomon Shafter (local). Slope, 150 tons, Summen Ry. Astoria 135.

sunfield Sun Coal & Coke Co. J. D. Bachan, prest., A. M. Revelle, seey., Win, Jackson, treas.: Robert Dick, ingr. and supt. Cap. 8tk, \$6,000. Sun. Shatt. 40,000 tons; steam.

Ry. Du Quom 319. Swan Warrer (P. O. and Ry. Youngs Thomas Lee & Son (local). Cap. \$150. Shatt, 700 tons; horse, Warren

Town : 135. Henry Smith. Cap. \$5,000. Shope, 5,000 tons.

Menard William Parkin (local), Cap. \$7,000. Farmer's, Shatt, 2,600 tons; horse, Sweet Water

Ry, Greenview 145,

Menard Taffula Coal Mining Co., James Hutton, prest,, mgr, and supt., W. L. Robertson, seey., Thomas Hutton, treas. Cap. stk. \$20,000. Shaft, 25,000 tons. steam. Tallula Ry. 145.

Christian Taylorville Coal Co. R. Wilkinson, prest., D. D. Shumway, seey, and mgr., A. G. Barnes, treas, Cap. 8tk, \$30,000, No. 4 and No. 2. Shaft, 175,000 tons, steam. 8, Amsworth, supt. Taylorville Ry, 538, 784.

Randolph Tilden Coal Co., R. K. Torrens, prest., treas, and supt., J. S. Lindsey, seey.; M. M. Catheart, mgt. Cap., stk. \$10,000, Tilden, Shalt, 5,000 fors, steam. Tilden. Ry. 709,

Stark Aaron Newton (local). Drift, 320 tons; hand. Toulon Ry, 635,

Henry Newton (local). Spoon River. Tunnel, drift, 160 fons.

Clinton Consolidated Coal Co., St. Louis, Mo., Fourth and Olive sts. Chas. Ridgely, prest.; Geo. T. Cutts, seey, and treas., J. C. Smitson, mgr. Cap. stk., \$5,000,000. Trenton. Shaft, 100,000 tons; steam. Win. Trenton Ry. 538. Harding, supt.

Madison Consolidated Coal Co., St. Louis, Mo., Fourth and Olive sts., Chas. Ridgely, prest., Geo. T. Cutts, seey, and treas., J. C. Simpson, mgr., Cap. stk. 85,000,000. Troy. Shaft, 60,000 fours; steam. Brookside, Shatt, 60,000 fours; steam. Wm. Fletcher, supt. Troy. Ry. 563,

Fulton Jackson Davis clocal), Cap. 8150. Shatt, 950 tons, horse, Vermont Ry. 135

James Rose, Cap. \$500. Rose's, Shatt, a,000 tons, horse, Mercer, G. W. Martin (local), Cap. \$7,000. Pope Creek. Shatt, 3,600 tons, horse, Viola

Rv. 135.

Macoupin Virden Coal Co., C. A. Starne, prest., Wm. Graham, seey., treas., mgr, and supt. Cap. stk. \$40,000. Virden, Shaft, 100,000 tons, steam. Virden Rv. 145, 385 Cass, Airgima Coal Co., Andrew Morton, prest., Samuel W. Bailey, seey, and treas., Robert Morton, negr., and supt. Cap. 8tk, 800,000. Virginia. Shatt, 12,000 fons, steam. Virginia

Ry. 335 Wataga .Knox Geo, E. Boostron (local). Boostron. Shatt. hand.

Rv. 135. H. & J. Taylor. Shaff, hand.

Wataga Brick, Tile & Coal Co. W. S. Dewey, prest, Charles Pester, seey.; H. P. Wood, treas., H. Taylor, ingr. and supt. Cap. stk. \$25,000. Wataga. Shaft, 5,000 tons, horse.

Wataga Coal Mining Co. Ham 400,000 tons, horse and hand. Hamilton Taylor, prest, and supt.; C. G. Bangston, mgr. Wafaga. Shaft,

nona Coal Co., A. S. Sherwood, prest., W. E. Monser, seey, and treas., E. L. Monser, mgr. and supt. Cap. 8tk, \$15,000. Wenona No. L. Shatt, 60,000 fons; steam. Wenona. Marshall Wenona Coal Co Ry, 145, 319,

Tazewell F, Little, Peoria, Ill., 825 S, Adams. Little. Shaft, 60,000 tons, steam. W, Small, supt. Wesley Rv. 572.

Stark John Catton (local). Tunnel, 800 tons, hand. West Jersey Ry. Toulon 635

Vermilion Kellyville Coat Co., Danville, Bl., 19 E. Main St., W. J. Calhouin, prest., W. L. Runyan, seey., M. Kelly, treas, and mgt. Cap. stk. 8500,000. Shafts, 200,000 tons; steam. James Doughty, supt. Westville Ry, 146, 170,

Pawnee Coal Co., Chicago, Hl., 965 Rookery Eldg., B. Himrod, prest, and mgr., P. W. McKay, seev, and treas. Cap. stk, 855000. Pawnee. Shaft, steam. W. W. Keeter, supt.

St. Clair T. & H. Minning Co., St. Louis, Mo., 31 Ohve st. Crittenden McKlinley, prest., E. B. Hull pr., seey., W s ce Rv 769 — Scott, freus, and mgr. Cap. stk. \$5,000. Wilderman. Shatt, 70,000 lons, steam. Anton Danzer, sup-Wilderman Anton Danzer, supt. P.O.Belleville, Rv 706 Scott W. H. Bates & Co. Shaft, 13,000 tons, steam, W. H. Bates, supt. Winchester

Peoria | Illinois Coal & Coke Co., Peoria, Ill., 118 N. Adams. J. P. Cook, prest.; Win, Jack, seey., H. C. Carrick, 1762. | treas (Jas. Stirrat, ingr. | Reed Mines No. 2. | Slope, 300,000 tons), steam and electricity. John Q. Ferguson, supt. Ry. Reed City 762.

Madison Consolidated Coal Co., St. Louis, Mo., Fourth and Olivests. Chas. Ridgely, prest; Geo. T. Cutts, seey, and trens., J. C. Smijson, mgr. Cap. 8tk, 85,000,000. Worden, No. 12. Shaft, 25,000 tons, steam. Jos. P. Hebenstreit, supt. Worden Ry. 784,

, Stark, Peter Herberger (local), Slope, hand, Wyoming 13v, 6s5, 1s5

Ry, 135.

### COAL-BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.

AND COUNTY. Town

Knoy, Frank Chrisman (local). Cap. 800,000. Chrisman. Shatt, 1,200 tons, steam.

Yates City Ry. 135. Youngstown... Ry. 135.

Warren, Mrs. Susan Romane (local), Slope, 200 tons, horse,

Thos, Wearmouth clocals. Wearmouth, Drutt, 3,000 tons, hand,

### FURE CLAY

Location of Mine or Eane, Railways, Waiter Routies, and Shifting Point. COUNTY Lows

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SULEMINIESDENT

Bardolph By. 135.

McDopough, Bardolph Tue Clay Works, C. J. Chandler, prest. J. L. Chandler, seev. Cap. 8tk, 800,000. Shaft and open pit, steam

Pulaski Tev., 319.

Pulaski Southern Illinois Fire Clay Co. Geo. R. Johnston, prest., I dgar S. Low, seev, and treas., J. W. Hunsaker, mgr., Cap. 8tk, \$300,000. Threeday. Open pit, hand.

#### LEAD AND ZINC

LOCATION OF MINE RAILWAYS, WALFR ROUTES AND SELECTION POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALLED STOLA NAME OF MINE, KIND OF DRES KIND OF MINE, ANNEAD OCCUPET IN LOSS OF 2000 POUNDS, KIND OF POWER USED, SMILTERS, LTC., AND NAME OF MINE SUPERINTENDENT.

Lows AND Rosielare

Ity 533.

Hardin Argyle Fluor Spar & Lead Mining Co. Washington, D. C., 1994 Est. Argyle, Theor spar, lead 5,000 lens,

Illimois Fluor Spar A Lead Co., Chicago, Ill., W Board of Trade Bidg. (Geo. C. Muthas, prest., D. F. Cameron, very., C. T. Trego, treas, and nigt. Cap. stk. 820,000. Hilmoss. Fluor spar, lead. Shatts, drafts. W.H. Middins, supt.

### SALT

LOCATION OF MINE OR WELL, RAILWAYS, WATER ROTTES AND SHIPPING POINT

COUNTY

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE KIND OF PRODUCT, KIND OF MINE OR WELL ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, LIC., OND NAME OF MINE SCIENDS OF SPECIAL PROPERTY

Saint John Rv. 319

Perry Blinois Central Coal & Salt Co., Carro, Ill., Olno levee, A. W. Haliday, prest. M. C. Wright, seev. S. M. Neely, high. Cap. sitk. Samo. Packing salt. Wells. steam.

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, KAILWAYS WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MISSION OF ARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OF FUTTIN TORSOF 2000 POUNDS, KIND OF POWER USED STONE OF MARKET MALES LIMERLESS AND CAPACITY, ETC. AND NOBE OF MINE SELEKINDENDENI

Riddle & Co., Broadway and Washington st. Cap. 830,000. Autora, limestone. Electricity,  $\operatorname{mill}$  Dell Couley,  $\operatorname{Supt.}$ Aurora Ry. 135. Ivanie 3

Boskydell Ry. 319. "Jackson Garbondale Brown Stone Co., Chicago, III., 55-8, Morgan St., John Rawle, prest, and treas, Backus, v-prest, M. B. Madden, seev., Carbondale., Open, Steam, in. H., Jas. J. Johes, 8-pt.

Gratton Ry. 458, 708, Jersey Graffon Quarry Co., 8t, Leuis, Mo., No. 4th Locust 8t, Room 504 (James Black, prest., John 8) Goper seev, and Bras. Cap 8th 850,000, Graffon, limestone, magnesia. Open pd. 100,000 fons (steam, lorse, hand). Chas Bramerd, supt

iet — Will Kirkpatrick, Howk & Massey - Geo Massey, prest A. J. Howk, seey and treas. J. O. Kirkpatrick, Rv, 26, 112, 115, 245 — mgr. and supt... Cap. stk. st. 200 - I miestone ... Steam - mill.

Lemont Ry. 26.

Cook Phoemy Stone Co., Chicago, III., & Lawrence et., John W. Gill, prest, and treas. August Baran-scey., Martin Delaney, mgr, and supt. Cap etk, \$50,000. Phoenix. Open pd. 100,000 tons. steam. Angust Baranarin.

Lockport Will Ry, 26, 155, 142, 145, 245.

Wall Sanger, Moody & Steel Stone Co., Johnt, Rl., H. A., Sanger, prest, C. C., Moody, seev., Sanger, Steel 5, 25. — Treas, Cap. 8tk, 880,000. Sanger, Innestone, magnesia., Steam.

Millington R. 135.

Kendall American Silica Sand Co., Cleveland, Ohio, Society for Savings 19d2. Levi II Malone prest. J. M. Atterholf, seeg., II W. Gebaner, Ireas. Cap. 8th 8450000. American, 8thea, 8and. Open pd. 120000. tons, steam, mill. B. F. I ware, 8upl.

People Hv. 435, 142, 170, 385, 378, 572, 749, 762,

Peoria, J. Mantz & Son, 334 Woodner Bldg., Jocal., Swords, Limestone., Open, pd., 10,000 tons, steam, 4 d. 1 dening, supt.

Mexander Southern Illinois Lithograph Stone (a., Pulaski, Ill., Geo, B., Johnston, prest a Latar S. Law, sory, and treas., J. W., Hunsaker, mgr., Cap. stk., \$30,000. Lithograph stone. Open pd. steam. developing. Thebes Rv. 458, 463.

## INDIANA

### COAL-BITUMINOUS

COUNTY.

COCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POUNT.

TOWN AND COUNTY.

Cook Brutt Ex 136 170. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2000 POUNDS, KIND OF DOWER USED, COAL BREAKERS, WASHERS, CORE OVERS, AND NAME OF MINE SUPERISTENDENT.

Altordsville, Ry, Loogootee		J. A. McCord (local). Shaft; horse.
		Scales & Buef (local). Sugar Creek. Shaft, open pit, horse and hand.
Asherville Ry, 563,	Clay	Block Coal Co., Brazil, Ind. No. 9. Shaft, open pit, steam. H. Payne, supt.
Aytshire Ry. 402.	Pike	David Ingle, Oakland City, Ind. Cap. \$50,000. Ayrshire. Slope, shatt, 90,000 tons, steam; breaker, washet 54 coke ovens. John Jennings, supt.
Bicknett Ry, 563,	Knox	Bicknell Coul Co., Geo, W. Fuller, prest., J. M. Freeman, seey, and treas. Cap. stk. \$10,000. Bicknell Shatt, steam, R. M. Freeman, supt.
Blackburn Station Ry, 256.	Pike	F. B. Posey, Evansville, Ind., 41 and 43 B. M. A. Bldg. Cap. \$10,000, Blackburn, Slope, 20,000 tons, steam washer, 9 coke ovens, capacity 1,00 (tons. J. D. Jaryis, supt.
**		Posey Cooperative Mining Co. Emanuel Fair, prest., Eugene O'Brien, seey, and treas., Geo, Fertis mgr. Cap. 8tk, \$20,000. Blackburn. Slope, E0,000 tons, steam, 9 coke ovens.
Boonville .M	Aarrick	Lander Wooley Coal Co., Evansville, Ind. E. P. Huston, prest., W. H. Merithen, secy. and treas. Cap \$30,000. Lander, Wooley. Slope, 48,000 tons; steam. Robert Lander, supt.
**		W. W. Reynolds (local). Cap. 8600. Reynolds. Shaft, 1,400 tons, horse,
		F. Whitmer (local). Whitmer. Shatt, 500 tons, horse,
Brazil Ry. 146, 256, 56	.Clay a. 748.	Brazil Block, Coal Co., Chicago, Ill., Gartshire No. 1. Shatt, 60,000 tons, steam, "Jas. McCloud, supt."
		Brazil Block Coal Exchange, Chicago, 19., The Rookery, A. R. Brockenbrough, prest, and treas., Charle R. Abbott, seey. Cap. stk. \$50,000. Morris. Shaft, 50,000 tons, steam, John Erzinger, supt.
**	**	Centennial Coal Co. (C. B. Reddie & Son., Cap. \$6,000. Centennial, Shaft, steam (developing).
		Crawford Coal Co., Terre Hante, Ind., 710 N. Second St. A. J. Crawford, prest,; J. P. Crawford, seey, an treas. Cap. 84k, 815,000. Crawford Nos. 2, 3 and 4, Shatt, 160,000 fons, steam. W. W. Risheo, mg and supt.
	*	Jackson Coal & Mining Co., M. A. Johnson, prest., D. W. Minshall, seev., M. H. Johnson, mgr., Caj 8tk, 860,600. Nickel Plate. Shaft, 60,000 tons, steam., W. S. Honston, supt
		Nickel Plate Coul & Mining Co., M. A. Johnson, prest, W. S. Houston, seey., M. H. Johnson, mgr. Cap stk. 850,000 - Clicago. Shatt. 60,000 tons. steam.
		Offer Creek Corl Co. Daniel Corkery, prest , A. H. Zummerman, seev., W. H. Zimmerman, treas, an gen, mgr. Cap. 8tk. \$96,000. Nellie. Shaft, 75,000 tons, steam. John Mushett, supt.
		Schrepterman Coal Co. C. Schrepterman, prest- and treas , N. Schrepterman, seey., mgr. and supt. Cap. 8tk, \$50,000. Birch Creek, Shatt. 475 tons, steam, breaker.
		John Triplett. Slope, 15,000 tons
Cannelburg Ry, Clarks 5.8	Darvin	Multual Mining Co., Damel Davis, prest. James Notan, seey., Martin Calull, treas, ingr. and supt. Cap. stk. 85,000, indv. cap. 86,000. Multual. Shaft, 17,500 tors, steam.
Carbon Ey 170,	.Clay	LOTEKA Block Coal Co., Chicago, III., 4535 Statest. A. H. Woodruff, prest., John Brownlee, seey, and supt. W. W. Brownlee, trens., Edward Wilton, ingt. Cap. 81k, 800,000. Banner. Shaft, 60,000 fors, 8 banc.
Carbondale, Ry, Williamst	Warren ort 784.	John I. Carlson (Jozal). Cap. 85,000. Carlson. Slope, 665 tons. hand
Ry. 256.	>uthvan	Carlisle Coal Co. Geo. Ward, prest. Geo. Phipps, seey., M. Zester, mgr. Cap. 86k, \$10,000. Carlisle Shaft, steam.
Centre Fourt. Rv. Brazil 146.	t lay 170, 404	Weaver, Getz & Co., Chicago, Ill., 247 Deathorn 84. Louise. Shatt, 175,000 tons, steam. Church Hil Shatt, 200,000 tons, steam. Chas, W. Moss, supt.
		Williams & Givens. John I. Wilhams, prest., mgr. and supt., Affred Connett, seey., R. Givens, trea Cap. \$2,000. Vandaffa. Shatt. 24,000 fors., steam.
Clar City Rv. 256,	Clay	Chicago & Indiana Black, Cord Co., Terre Haute, Ind., 523 Ohio St., J. Smith Talley, prest, and mgr., Lesh D. Thomas, sery., Demas, Deming, Teras., Cap., 8tk, 820,000. Hartison. Shart, 50,000 tons., stean compressed art., Thomas Faulds, supt.
		Ommond Block Coal Co., Chicago, III., 45e La Salle st., John Andrew, prest., Charles F. Keeler, seey. (Deas, and mgr. Cap. 84k, 860,00). [Diamond. Shart, 150,000 fons; stepin. Peter Andrew, supt.
	etmllion	Hazel Creek Coal Co. T. C. Keller, pre C. N. G. Wright, sery., N. C. Anderson, treas., mgt. and supt. Cap. 8tk, \$30,009. Hazel Creek, Fern Hill. Slope, shaft, 200,000 tons.
		Narton Crock Coal Mining Co., Milwankee, Wis, H. M. Benjamin, prest., H. S. Klein, seev., C.W. Moody, treas, and mgr. C.p. sik, Sooron, Norton Crock, Clinton No. 3, Shatt, Slope, drift, 200,00 forms steam, Charles F. Walket, supt.

Coal City
Oven (Fagle Creek Mining) Co. J. F. Hvatt, prest, and treas, [J. I. Confey, sew] Cap 820,000. Eagle Creek Mining Co. J. F. Hvatt, prest, and treas, [J. I. Confey, sew] Cap 820,000. Eagle Creek Rv 256 754

Shaft, 12,020 Cuts 856 00. [Jo. of Web's, mar, and supt

Thompson Hill Mining Co., C.M. Diggsell, piest, Charles H. Merrill, treas, and supt. Cap. 8tk, 850,000. Thompson Hill. Slope, 32,90 (1008) steam.

Viso Coal Blut Mining Co., Lette Hante, Ind., 575 Ohio 8t., J. Smith Falley, prest. James W., Landrum, seev. L., D., Homas, treas. R. W. Ruppetov, mgr., and supt. Cap. 8tk, 85,500. Herendes and Stat. Shafts, 7500 (1008)

### COAL BITUMINOUS (CONTINUED).

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2:00 POUNDS, KIND OF FOWER USER.
Town AND	COUNTY.	COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPFRINTENDENT.
Coal City (Continue)	Owen.	${\bf J}, {\bf F}, {\bf Hyatt.}$ eap, 80,000. Eagle Creek. Shatt, 15,000 tons; steam. Josiah Wells, supt.
Coal Creek Ry, 255, 784.	Fountain	Samuel Belenry (bent). Slope, 150 tons, horse,
	**	Randolph & McKinney, Cap. \$40,000. Syndicate, Slope, 4,800 tons, steam,
Do c Ry. 102.	-benear	4, N. Mason, Joeal). Cap. \$500. Mason. Shaft, 103 form, hand,
		J. R. Thorp (local). Flintfull. Slope, 800 tons, hand.
De Forest Ry, 402.		D. A. De Forest and others. The Porest. Shaff, howevers, steam. Win, Basum, supt.
Denmark Ry, Clay City		Lamester Block Corf to Terro Haute, Ind., 921 Wabish av. John Andrew, ptest. Robert Andrew, seey, and treas, James Andrew, mgr. c.,p. 84k, 859,686. Lancaster, Shaft, 2009 1018, 84cam, James F. Andrew, sigf.
Dugger Ry, 563.		Dugger Cooperative Mining Co., Arthur Davison, prest., Crity Lattlerolin, seey, and treas, Cap. stk., \$10,000. Shatt developing . J. E. Griffith, supt.
Epsom Ry, Plainville	Daviess (146)	Andrew McCall Joea", Shatt Jodse, steam
**	**	John Payne (local), "Faith's, Stope, hand,
Evan -viPe Van Rv 256, 102, 10	olerburg. 08, 536.	Diamond Coul Mining to , 26.4 pper Fourth st. Louis Koester, prest, dreas and mgr. E. W. Saupers, seey. Cip sits \$1200. Framond. Shift, squortons steam, Goo, Bonenberger, supt. Evans the Language Mining at A. W. L. Chille, Win J. W. U. Lee, and J. W. L. Chille, W. W. L. W. Lee, and J. W. L. Chille, when the state of
		Evansville Cooperative Mining (e., Y. M. C. A. Ridg – Win, M. Madden, prest). Sam i Quinn, seey, and supt. Cap. 8tk, \$20,000. Cooperative – Shatt, 80,000 tons, steam.
		First Avenue Coal Mining Co., 27 Apper Plandst. C. C. Thomas, prest and fig. R. H. Kellogg, seey, and treas. Cap stk 82,000. Lust Avenue. Shatt, 22,000 tons, steam. William Bodds, supt.
		John Ingle & Co., 20 Upper Second st. Goo's Ingle, mg). Cap. 875,000. Ingleside. Shaft, 75,000 tons. Steam. Joseph Gibson, supt.
		Sunnyside Coal & Coke Co., 1.7 J pper Th ed st. D. J. Mackey, prest., T. P. Huston, seev, and teens John L. Woolley, ingr., Cap stk, stonco., Scinivside, Shatt, 66.721 tons, steam, Jahoz Woolley st., supt
Farmer sburg. Rv. 256.	Sullivan	Farmersburg Coal & Mining Co., Sa'hwan, Ind., Blackford Condult, prest, and treas. Noah Crawford, seevi, mgr. and supt. Cap. 8th 847,890. Tarmersburg. Shatt, 22,000 tons, steam.
Farn worth Ry Lynton a:		Hancock & Conkel, Cap. 815,000. Touker H.H. Shatt, 28,159 tons (steam). W. H. Conkel, supt.
Pontanet Rv. 146, 170,		Coal Bluff Mining Co., Lette Hante, Ind., No. 52 Olno 8t., d. Smith Lafley, prest., James W., Landrann, Seev. L. D. Thomas, Fras. J. W. E. ppetoe, mgr. and sept., Cap. 8tk, 86500. Edgar and Dannord, Shafts, Toxoctons, Steam.
		Ld. Davis. Cap \$1,000 Peacock Slope, 20,000 fors horse
Grant Cross ng		Western Indamic (o) Co., Ierre Barte, Ind., 52, Obross, al. Smath Jaffey, prest., Win T., Eppert, sc. v., Iteas, and mgt., Cap. 848-825000. Smath, steam developing a dared flows, suppl. Metadough & Kitzing Co., Standborn, Ind., C.J. Wet vloot in need and seek (on al. kitzing trees) and
Grant Crossing P. O maine Ry 116, 170,		Met nlongh & kitzing t.e., Sminiton, Ind., C. J. Met slovajn prest, and seev. Geo. J. Kitzing, treas, and 1024. Cap. 8th 85,000. Lone Stat. Scape. 2000 fors. Lone 8 Smith, Sapt.
Hymera Ry, 146, 256,	Sullivan	Old Pattsburg Coul Co., Chicago, Ph. 411 and 463 Laconia Eldg., James N. Bachanan, prest, and treas., De Witt C. Butts, seey., Cap. 8th, 8550000. Harrison: Shaft, 755000 fors, electricity. W. I. Mordock, supt.
		W Stark, Cap. 8,,000 Little Pittsburg, Shart, 18,000 tons, horse,
A. sper Ry 402, 740.	Dighors	Lekett, Magner and others. Cap. 850,000 - 850pc, 4,000 tons - 550sc.
		Wm. Haffer. Birlier. Slope, 150 tons thand
Kinghtsville By Brazil (4)		D. H. Davis Coul Co. D. H. Davis, prest. Charles F. Matson, seev, and treas. Cap. 8tk, 820,000. World's Fint. Shatt, 600,000 tons. steam. Joseph Mod by supt.
	**	Zeffer & Sigler Coal & Mining Co. Win. M. Zeffer, prest , nigr, and supt., F. M. Sigler, seey., C. M. Zeffer, treas. Cap. 8tk 800,000. Columbia, Diamond, Vandalia, Shaft, 600,000 tons, steam.
Laucoln Cify Ry 402.	Shelleret	Henry Schafer. Cap. 84,500. Schafer. Shaft, 12,000 fons, steam. Geo. B. Bullock, mgr. and supt.
Linton Ry, 322, 584.	tyreene	Island coal co., Indanapolis, Ind., si F. Market st. A. M. Ogle, prest., W. W. Habbard, seev and treas., F. H. Seeft A sprest, cap. stk. spoince, Island et al., Nos. 1, 277. Shutt, 26500 four, compressed air., John Hewitt, spoi.
		Island Valley Coal & Mining Co., Win, H. Walton, prest, and supt. Harman Turny, see: Win, H. Greho, treas. (cap. stk/sto.oo.). Island Valley. Shaft, steam/developing.
		Summit Coult e., Bloomfield, Ind. (F. M. Dagger, prest and mgr. (J. C. Gillaland, seev.) H. I. Neaf, treas, Cap. stk. 850,000, Summit. Shaft, 6.707 tons. steam. (John Latkey, supt.)
Tattor's By 256.	Pike	<ol> <li>W. Little, Tamsville, Ind., 29 I pper Third st. Cap. Somoo. Little's Shatt, 190,000 forms, stems electricity.</li> </ol>
Lyford P O and Ry 146.		Thos. J. Whitehead, seey and treas. Cap. stk Storgood, Lybrid. Shaft, torgood oas. steam.
Lynton P. O. Cass	Sullivan Ry 322	Lynton Coal X Coke Co., Sullivan, Ind., W. H. Alley, prest. P. H. B. (e., seey., M. B. W., son, trens., G. C., Richards, mgr., Tynton, Shart, 1999 fons. sie (n., B. C.), he can son.
Marksville IIv. 718.	1 120	Peter Krackenburger Joeal W. H. 1/0 met, mgr. C. 6/8100 Lac met Shitt, 7.80 fons steim James Hockens, supt.

### COAL BITUMINOUS (CONTINUED)

LOCATION OF RAILWAYS, WATE AND SHIPPING	R ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MINE, ANNUAL OUTFIFT IN TORS OF 2,000 POTNOS, KIND OF FOWER USED, COAL BEARRES, WASHERS, CORF OVERS, AND NAME OF MINE SUPERINTENDENT.
Tows AND	COUNTY.	COAD DECARDAS, WASHERS, COAD OVERS, AND PARKE OF MINE SUPERINTERDENT.
Mineral City dy 404, 408	Greene	Levi D. Burcham. Cap. \$100 Burcham. Tunnel, 600 tons; hand.
**	**	M. Hildebrand, Cap. \$100. Hildebrand, Slope, pit, 100 tons; hand,
		J. W. Vest. Cushman. Tunnel, 200 tons. hand.
Newburg Ry, 533, 563,	Warrick	John Archbold, Evansville, Ind., cor. Bland av. and Walnut st. Star. Shaft, 24,000 tons; steam. George Archbold jr., supt.
**	**	P. Ehrhelt & Co., Indianapolis, Ind. Peter Ehrlich, prest.; Christ Ehrlich, treas, and supt. Cap. 8tk \$75,000. Newburg. Shaft, 60,000 tons, steam, breaker
		Gartshire Coal & Mining Co. Isaac Meliitosh, teeclyer. Newburg No. 2. Shatt, 140,000 tons, steam,
New Piftsburg (P. O. Alum 146, 256,		New Pittsburg Coal & Coke Co., Chicago, Ill., 129 Dearborn st. D. M. Cummings, prest.; John K. Sietert, seeg., freas, and gen, mgr. Cap. 8tk, \$300,000, Phornix. Shaft, 150,000 fous; steam, compressed art, washer, 40 overs, capacity 12000 fous. John P. Glimore, supl.
takland City Ry, 402	Gibson	Oakland City Coal Co., John S. Jeter, prest., John D. Kell, seey, and treas., Win, Cockrum, mgr. Cap stk, 84,000. Oakland City. Shatt. steam. James Dewey, supt.
Perth Ry, Carbon		Coal Bluff Mining Co., Terre Hante, Ind., 525 Olno St. J. Smith Talley, prest.; Jas. W. Landrum, seey., L. D. Thomas, treas., E. W. Rippetoe, mgr., and supt. Cap. 8tk, 86,500. Anchor. Shafts, 7,500 tors, Scain.
i.		Hoosier Coal Co., Chicago, Ill., 265 Rookery Bidg. Bernard Hunrod, prest, and mgr.; A. S. Bertolet secy, and treas. Cap. 8tk. \$20,000. Hoosier. Shatt, 50,000 tons, steam. W. W. Keefer, supt.
Petersburg Ry, 256.	Pike	Read & Myer, cor Walnut and Seventh sts. John Read, prest, treas., mgr. and supt.; John Myers secy. Cap. \$1,500. Jenny Posey. Shaft, 20,000 tons, horse.
Pratt P. O & Ry, C		coal Bluff Mining Co., Terre Haute, Ind., 525 Olno St., J. Smith Talley, prest., Jas. W. Landrum seey., L. D. Thomas, treas., R. W. Rippetoe, mgr. and supt. Cap. 8tk, 86500. Pratt. Shafts, 75,000 force, steam.
Riley Ry, 146.	. Vigo	E. J. Gillespie, Cap. \$2,000. Forest Hill, Shaft, steam
Shelburn Ry. 256.	Sullivan	Currysville Coal Co. G. I. Grammer, prest., T. H. Wooley, seey., treas, and supt. Cap. stk. \$50,000. Currys ville.—Shaft, 50,000 tons, steam, compressed air.
**	**	Richmond & Halberstadt (local). McNally. Shaft, horse.
**	**	Shelburn Coal Co. Geo, C. Richards, prest., mgr, and supt., H. E. Bell, seey, and treas. Cap. stk. \$50,000 Shelburn. Shaft, 26,499 tons, Steam.
Silverwood . Ry, 763.	Fountam	Shipman Coal Mining & Manufacturing Co., Defroit, Mich., No. 74 Griswold St. O. W. Shipman, prest. W. C. Maybury, seey.; Francis F. Falus, freas., J. N. Dexter, mgr. and supt. Cap. 84k, \$100,000 Shipman, Shafft, steam developing.
Staunton Ry, 748.	Chay	Earlich Co., Turner, Ind. Cap. \$25,000. Newbury. Shaft, 40,000 tons: steam. Christian Earlich, supt.
**	**	John Kempt (local). Cap. \$400. Tunnet, 400 tons, hand.
**		Joseph Somers, Cap. \$10,000. Jumbo, San Pedro. Shatt, open pit, 30,000 tons, steam.
	**	Joseph Whallon (local). Cap. \$700. Black Hills. Open jut. 500 tons, horse, hand.
Froy. Ry. 402.	Perry	Bergemoth Bros. Cap. 810,000. Troy. Shatt, 10,000 tons, steam. Samuel Priest, supt.
Vincennes, Rv. 170, 256.		Vincennes Coal Co. Job Freeman, prest,, mgr. and supt., C. G. Met.ord, seey, and treas. Cap. 8tk 840,000. Shaft; steam (developing).

Washington Rv. 538.

Dayless, Cable & Co., Cap. \$50,000. M. Valley, Nos. 4, 6, 7. Shatt, 140,000 tons, steam. Joseph Small, supt.

Warren John Carlson, Carbondale, Ind. (local). Carlson. Slope, 400 tons, hand, Williamsport

Ry. 784. Pike Phelps Bros (local), Phelps, Open pit, hand, mo[sm | H]Ry 402.

> William Shaw (local). Shaw. Slope, 200 tons, horse D. G. Smith (local). Hollow: Slope, 8 tons, hand

Greene A. M. Bucher (local). Bucher. Slope, 300 tons, hand

Worthington. RV 146 David S, Fufke (local). Slope, 300 tons, hand-

George Hememann, local), Hememann, Slope, 20,000 tons, hand

### TRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF TRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORU, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,001 POUNDS, KIND OF POWER USED, BLAST FURNACUS, ETC., AND NAME OF MINE SUPERINTENDENT.

County

Greene Bloomfield Iron Ore Co., F. M. Dagger, prest – John A. Pate, seey., L. H. Jones, treas. Cap. 8tk, \$20,000. Red Hematite. Open pit, hand Bloomfield By. 404

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# THE MINING DIRECTORY—MINES.

### KAOLIN

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT. AND COUNTY.

NAME OF COMFANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Huron Ry. 538,

Lawrence Kaolin Mining Co., Chicago, Ill., 86 Chamber of Commerce. P. C. Hamulton, prest, and treas,; Henry P., Love, V-prest; F. H. Hendrick, seey., John M. Partloin, ngr. Cap. 84k, 81,000,000. Winte Pearl, kaolin. Tunnel, 9,000 (ros., horse, stein). Geo. D. Moos, 800.

### LEAD AND ZINC

LOCATION OF MINE

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK

RAILWAYS, WATER ROUTES AND SHIPPING POINT.			NAME OF COMPANY OR ENDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CAPITAL STOCK NAME OF MINE, KIND OF ORE KIND OF MINE, ANNUAL OFFICE IN TONS OF 2000 DECEMBE, KIND OF POWER USED, SMLLTERS, ETC., AND NAME OF MINE SPECIALITY INDIVI		
Town	(51)	County	TOTAL COLD, CALLATERS, LIC., AND SAME OF MINT SCIENTING ST		
Detphi Ry.	404, 784,	Carroll	Delplu Mineral Mining Co. Samuel L. Wilroy, prest.; Waldo W. Williams, seey., James G. Blythe, treas., Hiram Kerlin, v. prest. Cap. 8tk, 85000. Lead and zine odeveloping.		
		۲ï	ONE, MARBLE, GRANITE AND ONYX		
RAHLWA AND	SHIPPING	RV. de Routes d'Porvie	NAME OF COMEANY OR ENDIAGRED, LOCATION OF PRESCRIZE OFFICE ANALYSIS OF OFFICERS, CATEAUS FOCK NAME OF MINE OF QUARRY, KINDOU STONE KINDOU MINE OR QUARRY, ANNAY OF HISTORIAN OF 2000 FOUNDS KIND OF FOULD USED, STONE OF MATERIA MILES, LINDRIGHS AND CONCELL, L. D., AND NAME OF MINE STEED REPORTSOR		
lows	VND	COUNTY			
Bedford Rv.	l <i>2</i> 56, 404,		Aeme Redford Stone Co., Chicago, Ill., 56/8. Morgan St., John Rawle, prest, and mgr., T.C. Demet, seey, and treas. Cap. 8th 800,000. Sandstone. Steam, mill. J. J. Jones, 8mpt.		
			Bedford Steam Stone Works. D. V. Johnson, prest,, mgr. and supt., I. B. Thornton, seey, and treas. Cap. 8tk. \$10,000. Bedford, hinestone. Open pit, 10,000 tons, steam, mill.		
**		**	Bedford Stone Co., Indianapolis, Ind., 4: Thorpe Block., J. W. Chipman, prest., E. H. Hall, seey and freas. Cap. 8tk 850,000. Collife Innestone. Shatt, open pit, 60,000 fens, 8team, null. H. H. Walks, supl		
			Bedford Stone Quarries Co. C. D. Hank, prest. W.C. Wanstandley, seey and treas. S. B. Vetts, mgr., Cap. 8tk, 81,000,000. Oohite Innestone. Open pdf, 100,000 tons, steam, mill. J. E. Evans, supt.		
			Bodenschatz Bedford Stone to , Chicago, III, 1140 The Rookery, N. A. Bodenschatz, prest., E. H. Brown, seey., J. G. Bodenschatz, trens. Cap. 8th. 850,000. Bodenschatz, oolithe himestone. Open pit, 6,500 tons, steam, mill. A. W. Brown, supt.		
			Chicago & Bedford Stone Co., James Kinnaird, prest. J. F. Thornton, seev. J. V. Thornton, mgr., Cap., sik 840,000. Blue Hole, while limestone. Open pd. 15,000 lons, steam., W. O. Troy, supt.		
			Columbia Lathographic Stone & Cement Co., Chicago, Ill., 60 Dearborn St., Smte 30 - Joseph II Hooper, prest., E. I. Suttin seev, and treas. Cap. 8tk, 830,000 - Columbia, hthographic stone. Open, steam		
			Cramer & Norton Stone Co., Cap. \$10,000. Oolitic Emestone. Steam		
		**	Dark Hollow Oolitie Stone Co. M. A. Blatz, prest., E. B. Thornton, sery , treas , nigh, and supt. Cap. 8tk., 860,000 - Limestone. Open pit, 12,000 tons. Stealin.		
			Dark Hollow Quarry Co., Lensyville, Ky., Fifth and Market sts.—Charles R, Peaslee, prest.—Wm. R. Johnson, Orac, Cap. 8th 8,200,000.—Dark Hollow, coditie limestone. Open pd., 60,000 tons, Systam, mith. Chinton's Norton, sapt.		
			Hallowell Stone Co., John R. Doyle, mgr., Limestone, Steam, mill		
			Judama Stone Co., J. W. Newland, prest., Cas. C. Davis, seev. and nagr., M. N. Messick, Heas. Cap. 84k., \$145,000. Indiana, limestone. Open. pit, 60,000 fons., steam, [mill.]		
			Peerless Stone Co. W. C. Winstandley, prest, J. O. Finks, seey., Bedford Bank, treas. Lyeurgus Datton, mgr. Cap. 8th stooper. Peerless, ooldte limestone. Open pit, isoocitous, steam. mill. Robert McKinley, supt.		
			Perry, Matthews & Buskirk. William N. Matthews, mgr., Cap. 875,000. Colitic limestone. Open pit., 36,000 tons, steam, John Torphy, supt.		
			Salem Redford Stone Co., Louisville, Ky., 121 Main st., R. A. Rodonson, prest., John L. Whent, seey., John A. Carter, freax. Devter Redking, nugr., Cap., 83, 8200,000. Redford, soldite limestone. Open pd. 2000 tons. Steam, mill., Win Roberts, supp.		
			West Bedford Stone Co. Albert Luedtke, prest., Frank Knold, seey, and treas—Cap 8tk 85,000. West Bedford, oolitie stone. Open pit steam. Peter Fillion, supt.		
Bloomin Rv.	igton 170, 404.	Monroe 563	Bloomington Oolitie Limestone Co. William Smart, prest, James B. Mulky, seey. James B. Clark treas., John W. Shoemaket, nigt. (ap. stk. 820,00). Bloomington, Innestone. Open pd. 4,000 fons steam, mill.		
			Hunter Stone Co., First National Bank Bidg. W. P. Rogers, prest and ingr., J. H. Londen, seev. W. N. Showers, treas. Cap. 8th Shonoo. Hunter, ochtic limestone. Open pit, 15000 tons. steam. noill. H. Henley, supt.		
			Monroe County Oblitic Stone to B. F. Adams st., prest., W. H. Adams, seey, and mgt. B. I. Adams fr., treas. Cap stk 800000. Limestone. Open pd., horro tons, steam		
			North Bedford Stone Co., W. H. McKnight, prest., B. A. Metree, seey , mgr, and sept., M. J. C. mahan, treas., Cap. stk, 8450000. North Bedford, oddite limestone., Mill		
Charles) Ry.		Clark	Indiana Cement Co., Jeffersonville, Ind., 19 Spring 81, Ward II Watson, prest. Promas II Rader, seey., John D Sharp, treus., Isaac V. Haymaker, mgr. Cap. 81 85 600 Stone Open pit, steam cement mill, bogood bles. Lemmel Long, sind		
Clay Cit		€ lay	Beryl Griffith, Cap. 84,000. Clay City Pottery, potters, clay. Open pit. steam		

Clear Creek Ry, 104,

Ellettsville Ry. 194.

Engene-Ry 146, 763.

French Tack Ry. 404.

Greensburg Ry. 167, 170.

Georgia .Lawrene Ry, Mitchell 404, 538.

By, Orleans 404.

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

### STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

Lawrence, J. A. Charllaux & Bros., Cap. \$5,000. Hundostan oil stone. Open pit, 50 tons: mill.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARGLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Monroe Bloomington-Bedford Stone Co., Chicago, Ill., Room 67 Major Block, Gr La Salle st. John A. Henry, prest., Wm. C. Shaw, sery, and treas. Cap. stk. 8100,000. Bedford, stone. L800 tons. steam, mill. Robert Emery, supt.

Monroe Matthews Bros. Fred Matthews, mgr. Cap. stk. \$50,000. Matthews. Innestone. Open pit, 30,000 tons; steam, horse, hand; mill.

Orange The Pike Mig. Co., Pike Station, N. H. E. B. Pike, prest, and mgr.: F. M. Tucker, seey, and treas, (C.o., stk. \$70,000, Pike, fine and coarse sandstone.

Decatur Greensburg Limestone Co. H. H. Wooley, prest.; S. B. Eward, seey, and treas, Cap. stk. \$18,745, Greensburg, limestone. Open pit, 100,000 tons; steam and horse.

H. E. Wells & Co. : Cap. stk. \$20,000. Moore, Hindostan stone. Open pit, 40 tons; horse, hand; mill

The Pike Mtg. Co., Pike Station, N. H. E. B. Pike, prest, and mgr., F. M. Tucker, seey, and treas. Cup. stk. \$70,000. Pike, line and coarse sandstone.

Perry Bros. Cap. \$30,000. Perry, oddite limestone. Open pit. 20,000 tons; steam and horse; 2 mills. Vermillion Vermillion Sandstone Co., Danville, Ill. E. C. Hodges, prest., A. W. Heinly, seey., S. J. McKee, treas, Cap. 8tk, \$100,000. Sandstone. Mill.

Ry. 167, 170.		Greensburg, limestone. Open pit, 100,000 tons; steam and horse.
Harper Ry Sardinia 170, 256,		Boicourt & Son, John Boicourt, prest., C. F. Boicourt, seey. Cap. 8th, \$2,009. Boicourt, limestone. Open pit, hand, steam.
Holton Ry. 538.	Ripley	Eli Cox. Indiana, lime and flagging stone. Open pit, 6,000 (on), hand,
Huron 1 Ry, 538.	awrence	John J. Kirk. Cap. \$1,500. Steve Jones, Hindostan oil stone or water stone. Open pit, to tons. Steam; mill.
		The Pike Mig. Co., Pike Station, N. H. E. B. P.ke, prest, and mgr., T. M. Facker, seey, and treas. Cap. stk. 870,000. Pike, fine and coarse sandstone.
Laurel Ry. 170.	Franklin	M. E. Secrest, Cap. \$20,000. Laurel, limestone. Open pit, 100,000 tons, horse,
Man Jield Rv. Carbon 1		Parke County Brown Stone Co., Chicago, HL, 21 Rialto Bldg. Parke County, brown and red sandstone, Open pit, 12,000 (ons; steam, horse, hand. O. R. Reynolds, supt.
Markle Ht Rv. 503	mtmgton	F. A. Brickley, Cap. \$2,000. Brickley, Innestone. Open pit, 4,000 tons. F. A. Brickley, supt.
Matchell 1 Ry. 404, 538,	awrence	Hag Four Lime Co. E. P. Eversole, prest, and treas., J. D. Moore, seey, and mgr. Cap. \$1,000. Limestone, 3,000 tons; hand; kiln, 10,000 tons.
North Bedford +P. O. Bloo Ev. 563.		Big Creek Stone Co., Bloomington, Ind. Geo, W. Ballenbacher, prest, and mgr.; R. C. Greeves, seey, and treas. Cap. 8tk, Slomon. Big Creek, oolfile limestone. Open pit, 6,000 forus; steam, stonemill. W. H. Cox, 8016.
Osgood . Rv. 5as.	Ripley	A. B. Ashman Co., Cuchman, Ohio, S. W. cor, Ninth and John Sts. A. B. Ashman, prest.: George Ashman, seey., Altred L. Ashman, treas, and supt. Gap. srk. 8000,000. Osgood, linestone. Open pit, 10,000 (100), Steam.
Paoli. Ry. 170, 404.	Orange	T. N. Braxtar & Sons, oil stones. Open pit.
**		John Jones. Braxton, sandstone. Open pit, 500 tons; hand
**		Wm, F, Osborn, Cap. \$2,500. Hundostan and sand stone. Open pit, 145 tons, hand, horse,
**	**	The Pike Mig. Co., Pike Station, N. H. E. B. Pike, prest, and mgr., F. M. Tucker, seey, and treas. Cap. stk, \$70,000. Pike, fine and coarse sandstone.
River Side . Rv. Independ	Fountain lence 784	Guyer, Barchby & Co. Cap. \$18,000. Riverside, sandstone. Open pit, 10,000 tons; horse. R. H. Guyer, supt.
Romona Ry, 563	Owen	Oblitic Quarry Co., Spencer, Ind. Charles Lifty, prest., C. H. Miller, seey, and, treas. Oblitic limestone,
	**	Oolitic Stone & Lime Co. Tra H. Pauley, prest, and mgr., D. W. Jones, seey, and freas. Cap. 8tk. \$15,000, Oolitic Innestone. 40,000 tons, steam, mill; Innekiln, 3,000 tons, G. A. Beanart, supt.
**		Pauley & Whitley, Cap. \$10,000. Owen, oblite limestone. Open pit, 10,000 fors; steam, stonemill; limekiln, 1,500 fors. J. H. Pauley, supt.
		Ramona Oolitte Stone Co., Indianapolis, Ind., 15 Ingalls Block. H. Bates, prest., H. Bates p., seey, and recas., Walter Kessler, mgr. Cap. stk., \$30,000. Mill Creek, oolite linestone. Open pit, 30,000 tons, steam, mill.
Salem Wa Ry, 401.	dangton	Salem Redford Stone Co., Louisville, Ky., 42 Mann st. Jk. A Robinson, prest; John L, Wheat, seev., John A Carter, treas., Dexter Redkiap, mar. (ap. 8tk. 8200000) Salem, limestone. Open pit, 2,000 fons steam, mill, & kins. Win. Roberts, supt.
Smithville Rv. Clear Cre	Montoe ek 404.	Online Stone Co., Bedford, Ind., Cap. 8tk, 8109,000. Limestone. Open p.t. 25,000 tons, steam. John Chambers, supf.
		Thomhuson Stone Co., Chicago, HL, Room G. 189 La Salle St., John Thomhuson St., prest., John Thomhuson Jr., seex., Trens, and mgr. Cap. 8tk, 8100,000. Thomhuson, oddite limestone: 25,000 tons, steam, mill. Harry Fell, supt.
Spencet	Owen	Spencer Lime & Rubble Quarty Co., O. T. Dickerson, prest, T. H. Boswell, seey, and treas . Tom Robinson, mgr., Cap. s(k, 85,00). Spencer, rubble, riprap., 7,500 tons. steam, mill.
Stinesville Ry North Bes		Big Creek Stone Co., Bloomington, Ind. G. W. Ballenbucher, prest and mgr.; R. C. Greeves seev. and treas. Cap. 8th 850,000. Big Creek, oddfte limestone. Open pit, 00,000 tons. Steam. mill. W. H. COX 8019.

### INDIANA

### STONE, MARBLE, GRANITE AND ONYX-(CONTINUED)

Loc	ATION OF	MINE
RAILWA	OR QUAIG YS, WATE SHIPPING	R ROUTES
Town	AND	COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARGLE MILLS, LIMEKILNS AND CAPACITY, ETC., AND NAME OF MINE STPERINTENDENT

Stinesville (Continued.)

Montoe North Bedford Stone Co., Bloomington, Ind., W. H. McKinght, prest., P. A. McGee, seey, and mgr., M. J. Carnahan, treas. Cap. 8tk, 8150,000. North Bedford, oslitic limestone. Steam: mill. Isaac Pres. nell, supt.

Stinesville & Bloomington Stone Co. J. S. Williams, prest, treas, and mgr. Louis N. Williams, seey. Cap. stk, \$100,000. Colitic limestone. Open pit, 12,500 tons, steam, mill.

Turner Ry, Newburg 563,

West Baden

Clay, H. M. Pierce, Cap. \$2,000. Pierce, sandstone. Open pit, 2,500 tons, horse, hand,

Kv. 404.

Orange, Z. A. Lynch, Cap. \$500. Mt. Orie, Hindostan oil stone. Open pit, U tons, horse, mill,

Westport Ry, 256,

Decatur Boicourt & Dowden, Z. Boicourt, prest., Etta Boicourt, secy., M. Dowden, treas. Boicourt, limestone, Open pit; hand.

Williamsport.

Warren Williamsport Sandstone Co., John Gregory, ptest., B. R. Gregory, seey, and treas. Cap. stk. \$50,000, Williamsport, sandstone. Open ptf. 40,000 tons, steam. Benjamin R. Gregory, mgt. and supt.

#### SEE ALSO SUPPLEMENTARY LIST

## INDIAN TERRITORY

### COAL BITUMNOUS

LOCATION OF MINI. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STORE, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COLL OVENS, AND NAME OF MINE SUPERINTENDENT.

Ardmore Ry. 26.

Chickasaw White Ash Coal & Mining Co., Dallas, Tex. W. A. Bright, prest. T. O. Robertson, seec., James M., Steere, treas. W. A. Dennis, mgr., Cap. 8th, 8100,000. White Ash. 8100 steam. Plank Cooley, Steere, treas W supt. oleveloping :

Coalgate Rv. 214.

Choctaw South-Western Coal & Improvement Co., Win, Bond, prest. Charles G. Hedge, seev. and treas., Thomas Fleming, high. Cap. 8th, 800,000. Shatt, slope, pd. 220,65 tons. steam. Ed. Henderson, supt. Choclaw Choclaw Coal & Railway Co., Philadelphia, Ph. 128 S., Third street. Charles Hartshorne, prest., Frank 1. Fattison, see W. C. Aderson, Trens. Cap. sth. 87, 20200. Hartshorne, Valerson, Shatt, slope, open pil, 20200. See Seem., Februa Haddow, super.

Hartsborne Rv. 459, 720.

Choctaw Atoka Coal & Mining Co., St. Louis, Mo., Sixth, and Locust sts., Ldw n Gould, prest. D. S. H. Smith, seey, and treas, B. W. Welfowell, v. prest, and zen ingr., Cap. stk. 850,000. Atoka. Smitts, 30,000. toris, steam, Win Cameron, supt.

Lehigh Ry. 459. Mc Alester

Tows

Choctaw Osage Coal & Mining Co., St. Loins, Mo., Sayth and Locust sts., Librar Goe b., prest | D. S. H. Smith, seevand from a, R. M. McDowell, a prest, and gen ling. Cap sth. Scopolo, Osage Nos. o. b. 12. Scops shift, account on a super-constant, a characteristic state. A super-constant of the control of the control

Ry , 150 Choclaw

National Coul & Mining Co., Dallas, Lex., no. North Lexas National Bank Balg. H. L. S. Knollice, prest,; Charles I, Miles, seey, and treas. Cap. 8th, Seewe. Wallsburg, Chockey. Trainel, open pit steam developing.

Seuffyville Choctay P O Jenson, Ark By, 720.

### GOLD AND SILVER

LOCATION OF MINE. RAILWAYS, WALLE LOST IES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILES, ETC., AND NAME OF MINE SUPPRINTENDENT

Ardmore Chickasa Rv. Wynnewood 26, 4 hickasan

Silver Queen Mining Co. R. Stewart Deance, prest. C. M. Campbell, seey. S. Zuckermach, Break and mgr., Cap. 8R, 860,000. Silver Queen, silver, gold, copper. Shatt steam, hand. Henry J. Break a sipt.

#### SEE ALSO SUPPLEMENTARY LIST

# IOWA

### COAL-BITUMINOUS

Allian   Mourton   Fullerprise Cool Co. O. Brown, mgr. Cap. Sanow. Enterprise. Shaft, steam. T. J. Lewis, supt. By 157 (1998)   15. 45.	LOCATION OF MINE, RAILWAYS, WATER ROUT AND SHIPPING POINT TOWN AND COUR	NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.
By 147   155, 157   156, 157		· · · · · · · · · · · · · · · · · · ·
Ry, Tyrone 15, 4.5.  Boomed State 1		
Fig. 12, 125   Policy Control of Policy Fl. Dodge, Iowa. A. F. Gimthet, prest. W. Walton, seey. Cap. Sta. Stanton. Stant. J. Dawson, max. and supt. Cap. St. Stant. Lone Hollow. Shope, pour lons, sterain. J. Dawson, max. and supt. Cap. St. Stant. Lone Hollow. Shope, pour lons, lorse, G. Cap. St. Stanton. Cap. St. Cap. St. St. Standard. Duff, 165 lone, Supt. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Supe. Rev. Bodditic, Edward & Dody (local). Cap. St. St. Standard. Duff, 165 lone, Sup. Standard. Duff, 165 lone, Sup. St. Standard. Duff, 165 lone, Sup. Standard. Duff, 165 lone, Sup. St. Standard. Duff, 165 lone, Sup. Standard. Duff, 165 lone, Sup. St. Standard. Duff, 165 lone, Sup. St. Standard. Duff, 165 lone, Sup. Standard. Duf	Ry. Tyrone 135, 327	Jowa & Wisconsin Coal Co., J. D. McMillan, prest., Cecil R. Anderson, secy., R. Dewlurst, Ireas.; J. H. White, mgr. and supt. Cap. 848, \$40,000. Jack Oak. Shatt, 75,000 tons; steam.
Security Security of the Security of the Security Securit	Augus Bo Ry, 142, 456.	
Colonks, siph.   Colo	**	Charge out of the rought force. A. F. connected proset. W. Walton, Sery. Cap. Stx. Sprigning Shall, Sagure
Sean E. Hypes, spil.  Gather B. S. 141  Basin G. Gather B. Gather G. Gather B. Gather B. Gather G. Gather B. Gather	Avery Mon Rv, 135	(i) Lone Hollow Mining Co., John F. Cook, prest. Cap. \$15,000 - Lone Hollow. Slope, 8,000 tons, horse, G. C. Cook, supt.
Bayard Ry, 144.   Beneon   Mahaska   Beneon   col Co. S. Phillips, prest   treas and mgr. S. Phillips (p. seey). Slope, accountous, steam.   National Research   Col. S. Phillips, prest   treas and mgr. S. Phillips (p. seey). Slope, accountous, steam.   Stational Coll Co. Okadoosa, howa. E. H. Guber, prest   E. Wightman, seey, and treas. Cap. slk, 800,000. Slope, duffic, seam. J. H. Bransay, spire.   Bakedona   Santa (Santona)   Santa (San	•	smore) from coar arms, aoun z. Exans, propi, cap, sagano, amore from adope, maino foils;
Bearson RV 142.	Bayard Gutl	
Gambeld (out Co. Oskalossa, Iowa. R. Rameau, prest. R. Wightman, seey, and treas. Cap. stk. 800,000, Slope, Gutt., Seam. J. H. Rameau, supp.  18 Supp. Gutt., Seam. J. H. Rameau, supp.  18 Behard J. J. Seam. J. J. Warren J. Graham clocals. Soap Creek. Slope; horse, By 18, 180, 180, 180, 180, 180, 180, 180,	Beacon Maha	ska Beacon coal Co., S. Phillips, prest, treas, and mgr., S. Phillips (r., seey, Slope, 30,000 tons, steam,
Scholosa Coal A. Mining Co., Oskalosa, Isona, E. H. Gibbs, prest, W. A. Seevers, freas, Cap. Skatt, Shoton, Shatt, Shoton, Shoton, Shoton, Shatt, Shoton, Shatt, Shoton, Shatt, Shoton, Shoton, Shoton, Shatt, Shoton,		Garfield Coal Co., Oskaloosa, Iowa. R. Rainsay, prest . B. Wightman, seey, and treas. Cap. 8th, \$30,000, Slone drift, steam. J. H. Rainsay, smit.
Bellin		Oskaloosa Coal & Mining Co., Oskaloosa, Iowa, E. H. Gibbs, prest., W. A. Seevers, treas. Cap. 8tk, 8100,000.
Blakesburg   Wapello   Phillips Fuel Co., Ottminya, Iowa. Fra Phillips, prest, Henry Phillips, seey., E. L. Kilby, treas. Cap. St. Science.   Boone   Phillips Supplements   Sanoon and Supplement	Belling 0	
Boone   Boone   Boone   Boone   Broone   Broon	Blakesburg Wap	210 Phillips Fuel Co., Ottumwa, Iowa, Tra Phillips, prest, Henry Phillips, secy., E. L. Kulby, treas. Cap., 818, 8290,000. Shaft, slope, 25,000 lons; steam, electricity. Wm. Fontkes, 840.
Bonneston   Bonne   150, 28   150,		
Riverside Coal Co. James Werr, mgr. Cap. 81k, \$2,500. Shatt, 1,200 tons, horse,   Razil.   Appanoose   Brazil Coal & Mining Co. B. F. Sulkmitter, mgr. Dritt, 7,000 tons, storan. Wm. Craw, supt.     Brazil.   Appanoose   Brazil Coal & Mining Co. B. F. Sulkmitter, mgr. Dritt, 7,000 tons, horse,   Philips Fuel Co., Ottumwa, Iowa. Tra Philips, prest.; Henry Philips, seey.; E. L. Kilby, treas. Cap. 8th, \$20,000. Shatt, Slope, 25,000 tons; steam, electricity. Wm. Foulkes, supt.     Phenry Coal Co., Connell Bhilis, Iowa. Rooms 224 and 255 Merraina Block. Joseph Turner, prest., mgr. and supt. John Freese, seey. and treas. Cap. 8th, 80,000. Phormy. Slope, 10,000 tons, horse.   Ratiato		
Brazil.   Appanoses   Brazil Coal & Mining Co.   B. F. Silkmitter, mgr.   Dritt, Toolou Ions, horse.   Philips Fuel Co. Ottumwa, lowa.   Ira Philips, prest.;   Henry Philips, seey.;   E. L. Kilby, treas.   Cap.   St. \$290,000.   Shaft, Slope, 25,000 Ions;   Steam, electricity.   Win. Profiles, Supt.   Phonix Coal Co.   Comed   Builds.   Lowa,   Booms 224 and 225 Merram Block.   Joseph Turner, prest., mgr. and supt.   John Freese, seey. and treas.   Cap. 848, 810,000.   Phonix.   Slope, 10,000 Ions,   horse.   Builds   Seott   R. Bine Grass S.		
Phillips Fuel Co., Ottumwa, Jowa, Jra Phillips, prest; Henry Phillips, seey.; E. L. Kilby, freas. Cap. stk. \$200,000. Shaft, slope, 25,000 fors; steam, electricity. Win. Foulkes, supt.   Phonix Coal Co., Connell Bhills, Jowa, Rooms 224 and 225 Merriam Rlock, Joseph Turner, prest., mgr. and supt., John Freece, seey. and freas. Cap. stk. 80,000. Phonix. Slope, 10,000 fors; horse.   Ry, Eline Glass 57.		Rogers & Craw, Cap. 82,000. Shatt, 21,500 tons; steam. Wm, Craw, supt.
St. \$200,000. Shatt. Slope. 25,000 tons: Steam, electricity. Win. Footkes. Supt.	Brazil, Appans Rv. 364,	ose - Brazil Coal & Mining Co B. F. Silknitter, mgr Dritt, 70,000 tons, horse,
Buffalo   Scott   C. G. Rowan. Cap. 87,000. Pennsylvania No. 2. Shaft, 2000 fons; horse.	**	
Thomas Webster   Iron Dollar   Shatt, 1240 tons, horse	**	
"   Thomas Webster, Iron Bollar, Shart, L20 tons, horse,   Carbon   Adams   Win, Chaftee (local)   Cap. 8500. Remby. Shart, 3000 tons, horse,   "   Gibbon K Co., Cap. 8500. Gibbon, Shart, 3000 tons; horse, J. W. Gibbon, supt.   "   Win, Rath K Co., Cap. 8500. Buth, Shart, 3000 tons; horse, J. W. Gibbon, supt.   "   Win, Rath K Co., Cap. 8500. Buth, Shart, 2,200 tons; horse, J. W. Gibbon, supt.   "   Win, Rath K Co., Cap. 85000. Buth, Shart, 30000 tons; hand. Win, Rath, supt.   Rath K Co., Cap. 85000. Buth, Shart, 300000 tons; hand. Win, Rath, supt.   Rath K Co., Cap. 85000. Buth, Shart, 300000 tons; hand. Win, Rath, supt.   Rate   Adrew Love clocal). Cap. 8500. Shape, 2500 tons, horse.   Cedar Mines   Montoc   Rather Montoc   Cap. 8500. Shape, 2500 tons, horse.   Charago X howa Coal Co., Cheago, III. 1006 Home Insurance Bidg. L. L. Cobarn, prest., Affred Cowles, seey, and treas. Cap. 8tk, 850000. Cedar Shart, 55000 tons, steam. W. P. Johnes, supt.   Cap. 8400. Cap. 8500. Anchor, Shart, 55000 tons, buth, seem. W. P. Johnes, supt.   Cap. 8400. Cap. 8500. Anchor, Shart, 55000. Eddon No. 2. Shart, 55000 tons, John Morris, supt.   Cap. 8400. Cap. 85000. Eddon No. 2. Shart, 55000 tons, John Morris, supt.   Cap. 8400. Cap. 85000. Eddon No. 2. Shart, 55000 tons, John Morris, supt.   Cap. 8400. Cap. 85000. Anchor, Shart, 50000. Eddon No. 2. Shart, 50000. Shart, 65000 tons, horse, geo, Helman, supt.   Cap. 8400. Cap. 85000. No. 2. Shart, 50000. Seandmayan. Shart, 50000. Seandmayan. Shart, 50000. Seandmayan. Shart, 50000. Seandmayan. Shart, 50000. Cap. 85000. Cap. 85000. Seandmayan. Shart, 50000. Cap. 85000. Seandmayan. Shart, 50000. Cap. 85000. Cap. 85000. Seandmayan. Shart, 50000. Cap. 85000. Cap. 85000. Cap. 85000. Seandmayan. Shart, 50000. Cap. 85000. Cap.	Buttalo S	cott. C. G. Rowan. Cap. \$5,000. Pennsylvania No. 2. Shatt, 2,000 tons; horse.
Carbon   Adams   R. 135   Cap. 8250.   Remby. Shatt, 80 tons. horse.   R. 135   Cap. 8450.   Gabbe Bros.   Cap. 8250.   Gabbe Bros.   Cap. 8450.		Thomas Webster, Iron Dollar, Shatt, 4,240 tons, horse,
. "Glbbne Bros. Cap. \$500. Glbbne. Shatt, 3,000 tons; horse. T. Glbbne. mgr. and supt.  "Montoe Mahaska Ry. Oskodows 89, 127. 327 (Curbonado Mahaska Ry. Oskodows 89, 127. 328 (Curbonado Mahaska Ry. Oskodows 89, 127. 329 (Curbonado Mahaska Ry. Oskodows 89, 127. 320 (Curbonado Mahaska Ry. Osk		
Win, Ruth K Co., Cap. \$1,000. Ruth., Shaft, 20,000 tons, hand. Win, Ruth, supt.  Carbonado Mahaska Ry, tekshoosa 89, 142, 227 (4 miles).  Adrew Love clocal). Cap. \$5,000. Stope, 2,500 tons, horse.  Cedar Mines Ry, 145, 155.  Cedar Mines Montroe Ry, 155.  Centervalle Appanoose Ry, 141, 142, 364.  Anchor, Shaft, 5,000 tons, horse.  Chacago X fowa Coal Co., Chearge, Ill., 1006 Home Insurance Bidg. L. L. Coburn, prest., Alfred Cowles, seey, and treas. Cap. stk. \$55,000. Cedar Shaft, 5,000 tons, steam. W, P. Joines, supt.  Centervalle Appanoose Ry, 141, 142, 364.  Anchor, Cap. \$10, Bidd, 10,000 tons, horse.  Chacago X fowa Coal Co., W, W, Oliver, prest., T. R. Riggs, seey, James Wilson, treas, and mgr. Cap. stk. \$5,000.  Anchor, Shaft, 15,000 tons, horse.  Damond Coal Co., W, W, Oliver, prest., C. W. Lane, seey, and treas. Cap. stk. \$6,000. Biddon No. 2, Shaft, 50,000 tons, blom Morris, supt.  Chacago X fowa Coal Co., C., Erikson, prest, and supt., G, Olson, seey., A. P., Anderson, treas., Andrew Burkland, mgt. Cap. stk. \$5,000. Rights, No. 2, Shaft, 5,000 tons, blorse.  Monitor Coal Co., D. A., travitord, prest, a C. D., Cavtord, seey, and mgr. Cap. stk. \$10,000 tons, horse.  Monitor Coal Co., D. A., travitord, prest, a C. D., Cavtord, seey, and mgr. Cap. stk. \$10,000 tons, horse.  Monitor Coal Co., D. A., travitord, prest, a D., Cavtord, seey, and mgr. Cap. stk. \$10,000. Shaft, 6,000 tons, horse.  Raney K. C., Cap. School, No. 3, Shaft, 8,000. Little White Breast, Tunnel, 674 tons, hand.  Chautten Lacas Thomas H. Smith Coeff. Cap. Stk. \$15,000. Little White Breast, Tunnel, 674 tons, hand.		Gibbie Bros. Cap. \$700. Gibbie. Shaft, 3,000 tons; horse. T. Gibbie, mgr, and supt.
Carbonado Mahaska Ry, Oskadossa 89, 12; 287 (1 miles).  Cedar Mines Corbonado Mahaska Ry, Oskadossa 89, 12; 287 (1 miles).  Andrew Love (Joeath, Cap. 8500, 850, 850, 950, 950, 860, 84 and 5. 8hafts, 300,000 tons; steam, By LG, Centerville Corbonado Corbonado Cap. Cap. 8500, 8500, 8500 tons, horse, Ry, 141, 142, 364.  Centerville Corbonado Corbo		Gibson & Co. (local)   Cap. \$1,000. No. 2.   Shaft, 2,200 tons; horse. J. W. Gibson, supt.
R. Voskahovs 89, 12;   327 (4 miles)       "	4.6	Wm. Ruth & Co. Cap. \$1,000. Ruth. Shaft, 20,000 tons, hand. Wm. Ruth. supt.
" ". Andrew Love Joeal. Cap. Sign. Slope, 2,500 fors. horse.           Cedar Mines         Montoe         Chargo & Iowa Coal Co., Chicago, III, 1006 Home Insurance Bidg. L. L. Colairi, prest. Affred Cowles, Step. St. Slope, Colair Shaft, 75,000 fors. steam. W. P. Joines, supl.           Centerville (R. 141, 42, 50).         Vapanoses (R. 141, 152, 50).         Archor Coal Co. J. M. Biddle, prest. T. E. Riggs, seey., James Wilson, freas, and mgr. Cap. Slx. \$5,000.           " " (Damond Coal Co. J. M. Biddle, prest., T. E. Riggs, seey., James Wilson, freas, and mgr. Cap. Slx. \$6,000.         Damond Coal Co. J. W. W. Oliver, prest., C. W. Lane, seey., and freas. Cap. slx. \$60,000.         Damond Coal Co. S. Shaft, 1,000 fors. Alex. Darragaell, supl.           " (Damond Coal Co. C. Erikson, prest, and supl., G. Olson, seey., A. P. Anderson, freas., Andrew Barkland, mgr. Cap. slx. \$5,000.         Eldon No. 2. Shaft, 25,000 fors. John Morriss supl.           " (Damond Coal Co. C. Erikson, prest, and supl., G. Olson, seey., A. P. Anderson, freas., Andrew Barkland, mgr. Cap. slx. \$5,000.         D. Crawford, seey. and mgr. Cap. slx. \$10,000 fors. horse.           " (Damond Coal Co. D. A. Trawford, prest., A D. Crawford, seey, and mgr. Cap. slx. \$10,000 fors. horse.         Wontto Coal Co. D. A. Trawford, prest., A D. Crawford, seey, and mgr. Cap. slx. \$10,000 fors. horse.           " (Damond Coal Co. D. Cap. \$5,000. No. 3. Shaft, 5000 fors. blund, prest.; Cap. slam, John Raney, supl.         Scandinavan. Coal Co. C. Charles Barkland, prest.; Cap. slam, John Raney, Supl.           " (Damond Coal Co. D. Cap. \$5,000. No. 3. Shaft, 5000. Scandinavan. Shaft, seam.         Cap. Slam, Cap. Slam	Ry. Oskaloosa 89,	ska - Excelsior Coal Co., Oskaloosa, Ia. Cap. stk. \$500,000. Shalts Nos 4 and 5. Shafts, 200,000 tons; steam, 142. — B. Wightman, supt.
Cedar Mines (B), Lie, (Chargo X Iowa Coal Co., Chicago, III., 1006 Home Insurance Bidg. L., L. Colouri, prest., Affred Cowles, seey, and treas. Cap sitk \$550,00. Cedar Shaft, 550,00 Ions, steam. W. P. Johnes, supt. (Anchor Coal Co., J. M. Baddle, prest., T. R. Riggs, seey., James Wilson, treas, and mgr. Cap. stk, \$5,000. Anchor. Shaft, 15,000 Ions, horse. (B), 141, 142, 564. (C) (E) (E) (E) (E) (E) (E) (E) (E) (E) (E		Andrew Love (local). Cap. \$500. Slope, 2,500 tons, horse.
Centerville Appanoose Rv. 141, 42, 564.  Anchor Coal Co., J. M. Biddle, prest., T. R. Riggs, seey., James Wilson, treas, and mgr. Cap. stk. 85,000. Rv. 141, 142, 564.  Damood Coal Co., W. W. Obyer, prest., C. W. Lane, seey., and treas. Cap. stk. 890,000. Diamond. Shaft, 10,000 tons, steam, compressed are. Alex. Dargavell, supt.  Eldon Coal & Mining Co., Ottmwa, Lowa, 162, Warket S. W. B. Daum, prest.; George P. Daum, seey., treas, and mgr. Cap. stk. 850,000. Eldon No. 2. Shaft, 25,000 tons. John Morris, supt.  " "Bappy Coal Co., C. Erikson, prest, and supt., G. Olson, seey., A. P. Anderson, treas., Andrew Burklund, mgr. Cap. stk. 850,000. Hollow, horse.  " "Monitor Coal Co., D. V. Crawford, prest., A. D. Crawford, seey, and mgr. Cap. stk. 810,000. Shaft, 6,000 tons, horse.  " "Raney & Co., Cap. 85,000. No. 3. Shaft, 8,000 tons, steam, John Raney, supt.  Scandmayan Coal Co., Clarles, Burkland, prest.; Caus. Johnson, seey., C. A. Stanton, treas., T. J. Greene, mgr. and supt. Cap. 8th, 81,000. Lattle White Breast, Timmel, 674 tons, band.		(roc Chicago & Iowa Coal Co., Chicago, III., 1006 Home Insurance Bldg. L. L. Coburn, prest., Alfred Cowles, seev, and treas. Cap. stk. \$150,000. Cedar. Shatt. 75,000 tons, steam. W. P. Jones, supt.
<ul> <li>"Diamond Coal Co. W. W. Oliver, prest., C. W. Laine, seey, and treas. Cap. stk, 800,000. Diamond. Shatt, 6,000 fons, sbenn, compressed an; Alex. Dargavell, supt.</li> <li>"Eblon Coal &amp; Mining Co., Ottumwa, Iowa, 162 Market st. W. R. Danin, prest.; George P. Danin, seey., treas, and mer. Cap. stk, 850,000. Eldon No. 2. Shatt, 25,000 fons, John Morris, supt.</li> <li>"Lappy Coal Co., C. Erikson, prest, and supt., G. Olson, seey., A. P. Anderson, treas., Andrew Barklund, mer. Cap. stk, 850,00. Happy. Shaft, 100 fons, hose, Geo., P. A. Anderson, treas., Andrew Barklund, bots., Iosse, Geo., Helman, supt.</li> <li>"Raney &amp; Co., Cap. Scoot. No. 3. Shatt, 5,000 fons, steam, John Raney, supt.</li> <li>Raney &amp; Co., Cap. Scoot. No. 3. Shatt, 5,000 fons, steam, John Raney, supt.</li> <li>Greene, mgt. and supt. Cap. 8th, 8t5,000. Seandmaxian. Shatt, steam.</li> <li>Chautton Jacas Thomas H. Smith Joean. Cap. 8to, 8t. 2000. Earthe White Breast, Timmel, 674 fons, hand.</li> </ul>	Centerville Appan	iose Anchor Coal Co., J. M. Biddle, prest., T. R. Riggs, seey., James Wilson, treas, and mgr. Cap. stk. \$8,000.
" Elion Corl & Mining Co., Ottunwa, Iowa, 102 Market St. W. R. Danin, 1978-K; George P. Danin, seey., Treas, and Ingr. Cap. 8th. 850,000. Eldon No. 2. Shall, 250,000 tons. John Morris, supl.  " Happy Corl Co. C. Erikson, prest, and supl., G. Olson, seey., A. P. Anderson, treas., Andrew Barklund, mar. Cap. 8th. 850,000. Happy. Shaft, 100 tons, horse.  " Monitor Corl Co. D. A. Fraviord, prest., A. D. Crawbord, seey, and mgr. Cap. 8th. \$00,000. Shaft, 6,000 tons, horse. Geo. Helman, supl.  " Raney & Co. Cap. 85,000. No. 3. Shaft, 5,000 tons, steam. John Raney, supt.  Scandinavian Coul Co., Charles Burkland, prest.; Claus Johnson, seey., C. A. Stanton, Ireas., T. J. Greene, mar., and supt. Cap. 8th. 85,000. Scandinavian. Shaft, steam.  Chariton Jacas Thomas H. Smith Johno, Lattle White Breast, Inmed. 674 tons, hand.		
" Happy Coal Co., C. Erikson, prest, and supt., G. Olson, seey., A. P. Anderson, treas., Andrew Burklund, mgt. Cap. stk. 85,000. Happy. Shaft, 60 tons, horse.  " Montor Coal Co., D. A. Crawtord, prest., A. D. Crawtord, seey, and mgr. Cap. stk. \$0,000. Shatt, 6,000 tons, horse. Geo. Helman, supt.  " Raney A. Co., Cap. So,000. No. 3. Shatt, 8,000 tons, steam. John Raney, supt.  " Scandmayian Coal Co., Clarles Burkland, prest.; Claus Johnson, seey., C. A. Stanton, freas., T. J. Greene, mgt., and supt. Cap. stk. \$5,000. Scandmayian. Shaft, seem.  Chautton Jacas Thomas H. Smith Cocad., Cap. \$1,000. Lattle White Breast. Tunnel, 674 tons, hand.	••	
<ul> <li>Monitor Coal Co., D. A., Cawtord, prest., A. D. Crawtord, seey, and mgr. Cap. 84k, \$0,000. Shatt, 6,000 tons, hotse. Geo. Helman, stipl.</li> <li>"Raney A. Co., Cap. Se,000. No. 3. Shatt, 8,000 tons, steam, John Raney, supt.</li> <li>Seandmayian Coal Co. Charles, Englishand, prest.; Claus Johnson, seey., C. A. Stanton, treas., T. J. Greene, mgr., and supt. Cap. 8th, 815,000. Seandmayian, Shatt, semin.</li> <li>Charles Thomas H. Smith clocal. Cap. 81,000. Lattle White Breast. Tunnel, 674 tons, hand.</li> </ul>		Happy Coal Co., C. Erikson, prest, and supt., G. Olson, seey., A. P. Anderson, treas., Andrew Burklund.
<ul> <li>"Rancy &amp; Co. Cap. \$5,000. No. 3. Shaft, 8,000 tons, steam. John Rancy, supt.</li> <li>"Scandmayan Coal Co. Charles Burkhand, prest; Claus Johnson, seey., C. A. Stanton, Ireas., T. J. Greene, mgt. and supt. Cap. 8th, 815,000. Scandmayan. Shaft, steam.</li> <li>Chartten Jacas Thomas H. Smith clocal). Cap. 81,000. Lattle White Breast. Timmel, 674 tons, hand.</li> </ul>		<ul> <li>Monitor Coal Co., D. A., Crawford, prest., A. D. Crawford, secy, and ingr. Cap. 8tk, \$10,000. Shaft, 6,000</li> </ul>
<ul> <li>Seandmayian Coal Co. Charles Burkhand, prest; Claus Johnson, Seeg., C. A. Stanton, freas., T. J. Greene, ingr. and slipt. Cap. 8th, 815,000. Seandmayian. Shaft, Seinn.</li> <li>Charlton J. Lacas Thomas H. Smith clocal). Cap. 8th, 00. Lattle White Breast. Timmel, 674 fons, hand.</li> </ul>	**	
Chariton , Lucas Thomas H. Smith (local), Cap. \$1,000. Lattle White Breast, Tinnel, 674 tons, hand.		Scandinavian Coal Co. Charles Burkland, prest,: Claus Johnson, Seev., C. A. Stanton, freas., T. J.
	Charitonl. Ry, 1.5.	

### COAL BITUMINOUS-CONTINUED

	COAL BITUMINOUS-(CONTINUED)
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PEINCHAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCH, NAME AND KIND OF MISE, ANNIAL OUTFUT IN TUNS OF 2/00 FOUNDS, KIND OF FOWER USED. COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUPERINTENDENT
Town AND COUNTY	
Chi holm . Monroe Ry, Maxon 135.	Whitehreast Puel Co., Chougo, Ill., 99; Rookery Eldz, A. C. Osgood, prest., C. L. Phelps, seey. G. W. Traer, trens., T. J., Phillips, mgr. Cap. 3th, 81,30,000, No. 16, 8thatt, 38,268 fons, steam. R. O. Rosser, supl.
Cincinnati, Appanoose Ry, Est.	Appanouse Coul Co., J. X. Marsh, prest, Trens, and mgr., L. S. Marsh, seev. Cap. stk. 820,000, Shatt, 36,000 tons, steam. D. H. Morrison, supt.
	Cineminati Coal Co., J. C. McDonald, prest and treas., G. W. Collon, seev, and mgr., Cap. stk, 810,000. Cineminati, "Shart, 5000 forms from se
Coaffield Monroe Ry, 327.	A. B. Little, Oskaloosa, Jown. Black Daimon i. S.opel. 200 fees. sleam
Ry, Condville Mines 503,	I. Rhodes & Co. Blodes. Open pit, 40 dons, hand
	Jasper County Coal Co. 1. H. Gerggs, prest. Coo. A Goodrich, seey, iteas, and mgg. Cap. 8tk, 850,000- Jasper County. Shatt, 40,000 tons. Steam. D. S. Couch, suph.
Commetce Polk Ry, 142	Thomas D. Hulme, Cap. 85,000. Commerce. Shatt, 1,000 tons, hotse. Samuel Dale, supt
Ry, 135.	Frye Ros. Cap. 87/90. Frye: Shatt, Loretons, steam. If I. Frye, mgr
tory keokuk	William Rousseau Joeal Cap. 820. Housseau. Slope, so fons Jamol. North Star Coal Co. John Rettig, seev and Iteas. John Lady, mgt. Cap. 84k, 82000. Shaft, 15000 fons, Steam.
Darby Appanouse (P. O. Myshe) By, 11t.	Datby coal) o. W. R. Williams, prest. J. F. Richards, seev. W. I. Hellner, treas and mgr., Cap, 8tk, 80,000, Darby, Shatt, 20,000 lons, steam, [B. E. Sintt, supl.]
Dawson Dallas Ry, 141.	Dawson Coal Co., Cap., stk., \$50,000. Shatt., steam
Ry. 364.	Patrick Gorman - Gorman - Slope, sulous - hand
Des Moines Polk Ry, 435, Co. 142, 144, 247, 248, 249, 784	Bloomheld Coal & Maeng Co., 46 U. W duet 81 (John Wilson, prest A.A., No. son, see V. Charles 8. Worth, treas , age, and supt. Cap. 8th So., 600. Bloomheld: Shath, 40.09 (bits. Sheath.)
•	Campheld Coal & Mining Co., (R.1. Sixth St., J. 6, Haskins) prest. Henry F. Garver, seev , treas, and mgr., Cap St. Stepoo., Campheld. Shall, Shann, developing. David Ast., sapt.
	Christy Coal Co. Boomer hipp Block. J. M. Christy, prest, and m.r. C. I. Hemenway, seey and treas, Cap Sik, \$5000. Objects. Shall 2000 (form) steam. James I. Storl, sept.
	Coon Aulley Cod Co., Seventhand Maffeetta sts. J. D. Shekkom, prest. J. Whitney Ross, seeg., 1400 W. Bloyney, there's Thomas Back, page (tap sike, 85500) Coon Variety. Shatt, Pageotons. Steam. Thomas Bates, supt.
	Furreka Fuel Co., 611 W. Locust st., W. L. Brown, prest. C. J. Carlson, seey, and supl., J. V. Brown, Breas, and mgr., Cap. 850,000. Furreka. Shatt, 14,000 tons. steam.
	Maple Grove Coal & Mining Co., 56 1 Sixth st. W. L. Gartison, prest, and seev. A. W. Carlson, Ireas. Cup. 8th, 850000. Maple Grove. Shaft, 75000 tons. steam. C. A. Swanson, sapt.
*	Proctor coal) of core Third and Locust sts. D. Proctor, prest, T. Proctor, serv. Cap. 810,000. Proctor, Shatt, 30,000 fors, steam. W. I dge, supt.
	Vanginkel Coal Co., First and Court avs. G. Vanginkel, prest, and (teas., G. C. Vanginkel Seey., W. E. Marsh, mgr., Vanginkel, Shatt, 20,000 fors. steam. Claus Vanginkel, supt.
Donds Station Van Buren Ry 112	Carson & Walker. Slope, 8,000 tons - horse - Matthew Walker, supt
	G. W. Findley (Cap \$5,000). Business Cornet. Slope, 12,000 fors. horse
Duniteath, Marion Ry, 784.	Black Diamond (col. & Mining Co., Des Montes, Jown, 212 W. Seventh et - Is næ Brandt, prest - C. D. Bourdman, seeg. [J. C. Wacy, freus and mgr. Cap 84k, 8100000 - Black Diamond. Slope, 115,000 for steam. With Bolinson, supf.
Tidon Wapello Ry, 152.	A. I. Dotson (local). Dotson Tannel, see tons (hand
	Eli Dye, Cap, 85,000, Salf Creek Open, 1,000 tons, hand
Evans Mahaska Ry 142.	American Coal Co., Oskaloosa, Iowa - H. W. McNeill, prest, Win, I. Phillips, seey., James F., McNeill, treas., W. A. McNeill, mgr., Cap. stk., 8200,000, No. 2. Slope, 175,000 lons (steam) - R. L. Wilson sept.
Fairfield defferson Ry, 135, 112.	G. W. Bates, Joeal . Cap. 850. Cedar Hill, Shatt, 72ctons, horse
	John Williamson Jocal). Slope, 120 tons.
Ry Guthriet entre (42.	P. Renslow (local). Cap. 81,000. Renslow. Sharf, 800 lons, horse
Ry. 133, 142,	Farmington Coal & Mining Co., James Carr, prest, mgr, and Supt., Frank D. Carr, seey. (W. Snettielfrens, Cap. Sik. 86,000   Pane., Shaft, Slope, brown force, horse
Ry, 135.	S. R. Rollings (Jessee). Oak Hill. Slope, 12,000 forus, horse.  Workland J. Rodlings (John and Workland Physics 1994). Let Domail and Let J. Physics and J. W.
Corbush, Appanoose Ry, 327.	Whitelereast Fiel Co., Cheago, H., 3to Rookery Bidg. J., Cosmod. prest. C. I. Phelps, serv. G. W., Trace, Tras., T. J. Phillips, mar. Cap. 8tk, 81,500,000, No. 19, Shatt, 55724 bus steam. J. Hed- land, Supt.

Fort Dodge — Webster Albert Stine (Cap. 8125). Slope, 400 tons, horse, Ry, 142, 319, 423, 456.

Moingona Ev 150.

### COAL BITUMINOUS (CONTINUED)

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RAILWAYS, WATE	R ROUTES :	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2009 POUNDS, KIND OF POWER USED, COAL BEAGERS, WASHINES, CORE OVERS, AND NAME OF MINE NOFFINITEMENT.
TOWN	COUNTY	
Foster. Ry. 141.	Monroe	Deep Vem Coal Co., Cedar Rapids, Iowa. E. I. Foster, prest, and treas.; C. H. Fugle, sery, and supt. Cap. 8th, \$200,000. Shaft, slope, 100,000 tons; steam.
**	**	Monroe Coal & Prospecting Co. A. McCoy, prest.; B. F. Fritchle, secy, and mgr.; F. P. Hank, treas, Cap. stk. \$2,500. Shaft; horse,
Fredric, Ry. 135.	Monroe	Charles Akers, Cap. \$2,000. Shaft, 4,000 tons; horse,
Givin . Ry. 142, 327, 5	Mahaska 84.	C. Alexander, Cap. \$1,000. Givin. Slope, 10,000 tons; horse,
		Chilton Bros. Cap. \$6,000. Chilton. Slope, 500 tons; hand. Arthur Chilton, supt.
Guthrie Centre Rv. 142.	Guthrie	Guthrie Centre Coal Co. H. K. Dewey, prest.; J. D. Brown, seey.; Ed. Dash, Ireas. Cap. 8tk. \$5,000 (developing).
Hamilton Ry, 135, 147.	Marion	Bondinot Bros. Cap. \$5,000. Hamilton. Slope, 32,000 tons; steam. G. A. Bondinot, supt.
		Geo, C. Davis, Cap. \$5,000. Davis. Shaft, 8,000 tons, horse,
Harvard . Ry. 142.	·	James A. Winger. Cap. \$10,000. Happy Hollow. Shaft, 5,400 tons; horse.
Hickory Ry. 327.	Monroe	Hickory Coal Co. C. C. Cox, prest.; C. N. Bloomfield, Secy. and treas. Cap. \$7,000. Hickory. Shaft, 30,000 tons; steam. Wm. Jamison, mgr. and supt.
Hillsboro Ry, 137.		bavid Cox. Cap. \$300. Hillsboro. Tunnel, 160 tons, hand,
Hiteman Ry 135.	Monroe	Wapello Coal Co., J. C. Peasley, prest.; H. E. Jarvis, seey.; S. A. Corey, treas.; H. L. Waterman, mgr. Cap. stk. \$730,000. Shaft, 250,000 tons; steam. J. W. Hayne, supt.
Januarea . Ry. 141.	Guthrie	Simon & Sons, G. W. Simon, seey.; d. H. Wallace, treas., W. D. Simon, mgr, and supt. Cap. stk, \$10,000. Greenbrier. Shaft, 6,000 tons; horse, steam.
Jerome . A Ry, 141.	ppanoose	Gladstone Coal Co., Joseph Goss, prest., Peter Marsden, seey, and treas.; Robert Marsden, mgr, and supt. Cap. 8tk, \$5,000. Gladstone. Shaft, 12,000 tons, steam.
Kalo Ry, 456.	. Webster	E. Johnson (local). 475 tons.
**	4.4	Porter & Bird. Tunnel, 10,000 tons: hand. James Porter, supt.
Keb Ry, 185.	Wapello	Whitebreast Fuel Co., Chicago, Ill., 340 Roukery, Elidg. J. C. Osgood, prest; C. E. Phelps, seey.; G. W. Traer, trens.; T. J. Phillips, mgr., Cap. 8tk. \$1,300,000. No. 22. Sbaft, 129,107 tons; steam. J. Luke pr., 8up.
Kirkville . Ry. 142.	.Wapello	F. A. Waddell (beat). Waddell, Shaff, 20 tons, horse,
Knoxville Ry, 142.	Marion	S. M. Fackman, Buckman, Slope, 780 tons, horse,
		S. L. Collins Coal and Mining[Co. S. L. Collins, prest.: Lafe S. Collins, seey., treas, and uigr. Cap. 8fk., \$3,000. No. 3. Shaft.
	.,	Wm Lewis, Cap. \$3,000. Lewis. Shaft, 2,500 tons, horse,
		W. O. Robinson (local). Slope, 2,400 tons, horse,
Laddsdale By, 142.	Davis	Eldon Coal & Mining Co., Offuniwa, Iowa, 102 Market St. W. R. Daum, prest.; Geo. P. Daum, secy., treas, and mgr. Cap Stk. \$50,000. No. 1. Shaft, 50,000 Ions, Steam. Samuel Smith, supt.
Lehigh Ry, 423, 794.	Webster	Corey Coal Co. Frank/Corey, mgr. Cap. 86,000. Corey, No. 1. Slope, 2,000 tons, steam. Rees Stephens, supt.
	**	S. W. Corey. Cap. \$2,000. Corey. Slope, 5,000 tons; horse. John Davenport, supt.
**	. 4	Crooked Creek R. R. & Coal Co. W. C. Willson, prest.; J. M. Funk, seey, and treas.; Samuel McClure, gen, mgr. Cap. stk. \$25,000. Crooked Creek. Shaft, slope, 17,05 tons; steam, horse. John Hamilton, supt.
		W. H. & S. McClure. Cap, \$10,000. Black Diamond. Slope, 8,222 tons, horse. D. W. Townley, supt.
		S. V. Smith, Cap. 82,000. Smith. Shaff, Louotons, horse,
Leighton Rv. 142.	Mahaska	and the second s
f sbertyville Rv. Collett	Jefferson Ui.	A. J. Zimmerman (local). Cap. \$1,500. Lick Creek. Slope, 2,400 tons, horse,
Lockridge By, 185,	Jefferson	a M. D. Brown, Cap. \$6,000, Coal Port. Shaft, 6,000 fors, horse.
Marysville . fiv Hamilto	on 155.	i John Venser, Cap. \$300. Venser. Open pit, 1,700 tons, horse.
Milledgeville Rv. Melrose	Appanoosi +135	Featon & Rros, clocal). Shaft, 1,500 tons, horse.
Milo Ry, 155,	Warrer	(N. D. Pales (local). Bales. Shaft, 200 tons; horse
		the state of the s

Monroe Ev. 142. Mat.on Midland Coal Co., Des Moines, Iowa, F. M. Hubble, prest., k. M. Martin, seey, and treas., A. W. Austur, mgr., Cap sik, saggroom Midland Stope, shall, 10,000 tons, steam. J. W. Miller, supt  $\frac{Mod+m(V,alb)v}{10.00581}$ 

. . . . S. C. Bryant, Cap. \$2,000. Bryant. Shatt, 3,000 tons. horse, Toone John Peacock. Cap. \$1,500. Scottish Chief. Shatt, 1,621 fons; horse,

Jasper R. D. Marshall (local). Marshall. Slope, 300 (ons; hand.

Tracy Rv. 15

# COAL-BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Siock, Name and Kind of Mins, annual Output in Toss of 21th Pounds, Kind of Power Used, Coal Breakers, Washers, Core Overa, and Name of Mins Eupethintendent.
Town AND	COUNTY.	
Mystie Ry. 141,	Арраноос	Clarkdale Coal Co. John Clark, prest.; Geo. Clark, seev.; James Clark, treas., Alex, Clark, mgr. and supt. Cap. stk. \$2,500. Clarkdale. Shatt. 4,200 tons. horse.
**	**	Jowa K Missouri Coal K Mming Co., Kansas City, Mo., 201-204 N. A. Life Bidg. Elijah Gates, prest.; John H. Owens, seey, and treas., C. C. Colf. mgr., Cap. 8tk. \$1,500,000. Slope. Shart. steam. Thomas Woodson, supt.
		Lodwick Bros. Cap. stk. \$10,000. Lodwick. Draft, slope, 20,000 tons. horse. L. L. Lodwick, supt. Mystic Coal & Mining Co., James A. Seddon, prest,, seey, and treas Win Harris, nigr., Cap. stk. 85,000.
**		Slope, 30,000 tons, horse,  Orr Bros, Cap. stk. \$25,000, Pittsburg, Slope, shart, 30,000 tons, steam, horse,
		Phillips Fuel Co., Ottumwa, Iowa, Ira Phillips, prest. Henry Phillips, seey., 1, L. Kirby, treas. Cap., 8th, \$200,000. Shaft, slope, \$5,000 tons, steam, electricity. Wm. Foulkes, supt.
		Raven Coal Co., W. F. Vermilion, prest., A. A. Highborger, seey, mgr, and supt. C. W. Vermilion, treas, Cap. 8tk, \$15,000. Raven. Slope. horse.
1.	**	B. F. Silkmitter, Cap. 85,000. Mystic. Drut, 75,000 tons, horse. Walter Cowles, supt.
New Market Ry, 316.	Taylor	Benjamin Anderson (local). Cap. \$3,000. Anderson's Shatt, 7,500 tons, horse,
	**	Campbell & Sons. Cap \$2,000. Beau. Shatt, £500 tons, horse. R. Campbell, mgt, and supt.
Newton Ry, 142, 327.	As(sper	Carson Bros   Cap. 82,000   Shaft, 2,000 tons   steam,   Robert Carson, supt.
	**	Newton Coal Co., V. Murdoch, prest. David Conn. seev.; I. Murdoch, treas. Win. Conn. mgr. and sapt. Cap. 84k, 88,000. Newton. Shatt. 9,600 tons. steam, horse.
Oskaloosa Ry, 89, 142, 3	Mahaska 327.	H. F. Evans & Co., Cap. 85,000 – Shatt, 20,000 fons – steam. B. F. Evans, $\sup($
**	**	8 C. Guthrie, Cap. 85,000. Cuthrie. Shatt, door tons. steam. J. D. Guthrie, sapt.
		Jowa Fuel Co., cor. Market and High sts. W. H. Seevers, prest   D. B. Fleming, socy   C. E. Lofland, treas., F. C. Smith, mgr, and supt. Cap stk, 875,000. Jowa No. 1. Shatt. steam
		Long Bros. Cap. \$1,000. Shaft, Canoclous, steam. Thomas Long. apt
Oswall Ry, Valetia	.dasper 155 /S.	Dagonal Coal Co., St. Paul, Mann. Metropolitan Opera House Eldg. Raymond 16. Pay, prest and treas. Robert C. Wellt, seev. C. G. Kolff, gen. mar., and supt. Cap. 8th 8750000. Dagonal. Shaft 175000 fours, Seam.
Officy Rv. 112.	Marion	Martion County Coal Co., Des Moines, Iowa, H. A. Foster, prest, and ingr., Cap., 850,000. Offey. Shatt, 00,000 tons, steam. R. Frasci, supt.
Offunwa Ry, 135, 14t.	Wapello 142, 784	Burch Bros., South Ottumwa, 193 Church St., Joeal., Cap. 85,900. Pickwick. Shatt, Cooo tons. horse, L. D. Butch, supt.
		Hawkeve Coal & Mining Co., H. Market St., A. C. Caughtan, prest., J. R. Revgess, Szev., T. D. Lait, 1reas. Hawkeve, Shaft, above tons, steam, C. W. Grant, supt.
• (		Phillips Pael Co. Tra Phillips, prest . Henry Phillips, seev. 1–1. K lb. (tras. Cap. 8tk. 8200,000, Phillips No. 2. Shatt, 25,000 tons, shart. Win Toulkes, supt.
		Van Gent & Davon, 550 F. Maan St. Joseff — Cap. 855 0 — Shaft, 20 00 Cors. Steem — R. H. Disson, 85 pt. —
Pekay Ry 327.	Mahaska	Whitebreast Lucl Co., Chicago, Ill. 90 Rookery Eldy. J. C. Osgood, prest. C. I. Ph. ps. sc.v., G. V. Haer, Breas. L.J. Phillips. mgr. Cap. 848, 84,00000. No. 28, Shart, press forms steam, John J. Phillips. supt.
Pella	Varion	J. M. Markham clocal ( ) ap. 85,500 ( Markham, Keystone ( $85 \mathrm{art}, 1.200 \mathrm{ fors}$
		Lewis Woodyard, Ohrisman, Danie Como tons, F. 1968 Woodyary, S. 69
Redfield Ry 219.	Bullas	Bott & Bros. ( fond – Slope, 6,000 tons – herse. – Thomas li Toft, s. pt. – ,
Red Rock F. O. Mo Dunreith	nroc Ry	$\label{eq:high-MeNeish} \operatorname{Hugh-MeNeish}, \ \operatorname{Cap}(S_{i}, \infty), \ \operatorname{Taberty} \operatorname{Cornet} = 4 \operatorname{cund} (4, \operatorname{Corlons}), \ \operatorname{high-MeNeish}, \ \operatorname{Cap}(S_{i}, \infty), \ \operatorname{Cap}(S_{$
Rose Hill Ry, 142.	Mahaska	careveros, cap $85000$ . Bacon Shatt, 1,200 fons, horse. We have volume as a $\sim$
Runnels . Ry, 784	Polk	Agine Coal Co., Des Montes, Towa, 94. W. Wa'haf st., J. R. No'con spite C. S. W. Gasser's sectional trease, J. A. I.Mle, Ingl. and Supt. Cap. 818, 88,000. Acine. Slope (1,000) instances
		Madhant to all to T. M. Hubble, prest. J. M. Martin, see a lance s. A. W. A. St., reg. (1988) Shoot, non-Madhand. Shatt, 169,000 to as steam. J. W. M. et asopt.
Sevinous Rv 145, 141	Wavne	Changer College, Chicago, III, 185 Adams st., D. C. De Weet, prest., A, with A, Article Sci., C., D. S., J. M. Varinev, mgt., Cap. stk. 850,000. Chicago., Staff, 15,000 fons., etc.in., Petro C. Junes, S. (2012).
	**	Setupe a Coult of Setupolar, State, open Consiste and George Line (S. 1)
Stambaugh By, Clearmon	t. Most for	Termer & Luther Cape Science Shambargh (Share, Specifor Soft of Soft W. H. 1998) a
Signiffied By, 141, 142	Kenkuk	B Romely local (Cap \$12,000 Signature) Shall, 7, 20 tons (horse)
Summerset Rv. 142.		D. K. Jones - Jones - Shatt, Litertons has se-
Superior Maies	Matinoska Ry, 17080	Superior Corf. Co., OSkaboda, Li., Pron. 8.8. (1997) at the Manck, materials upfor Cap Stw. 82, 100 (8.8) perior (8.1) at the core of the
Lead	Mariner	- Halleman for all Halleman Samuel Later Later

Mation 8 Hallowell local Hallowell 8 open for the Salar

Stone City Rv. 141

### COAL BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAIL WAYS, WATER ROUTES AND SHIFFING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2,001 POUNDS, KIND OF POWER USED, COAL BEGREEN, WASHINS, CORE OVERS, AND NAME OF MINE SUPERINTENDED.
Town 38D	COUNTY	
Fracy. (Continue)		Samuel Ream (local). Cap, \$2,500. Cedar. Open pit, 240 tons; hand.
Van Meter Ry. 142,	.Dallas	Chicago & Van Meter Coal & Mining Co., Ft. Dodge, Iowa, 901 W. Market St. James L. Platt, prest., treas and mgr., R. B. Berryhill, seey. Cap. 8tk. \$100,000. No. 1. Shaft, 30,000 Ions; steam, F. A. White supt.
What Cheer Ry, 87, 150,	Keokuk	Armstrong Coal Co. Joel Stewart, prest., Sam Gillioy, seey, and treas.; W. B. Armstrong, mgr. Cap. stk \$40,000. Armstrong. Shaft, 82,784 tons; steam. John Donovan, supt.
	**	William Blatt. Black Diamond. Shaft, 1,600 tons; horse,
		Carl & Irvin Bros. Joseph Irvin, prest.; Fred. Carl, seey., mgr. and supt. W. Irvin, treas. Cap. stk \$5,800. Shaft, 3,000 tons; steam.
	**	Crescent Coal Co., Andrew Langdon, prest.; J. S. Chipman, secy, and treas,; S. W. White, mgr. Capsfk, \$50,000. Crescent, Nos. 1 and 2. Shaft, 127,637 tons; steam, electricity. Martin Coleman, supt.
**	••	Keystone Coal Co. S. P. Pascoe, prest, and treas . J. J. Pascoe, seey., mgr. and supt. Cap. stk. \$50,000 Keystone. Slope, 6,940 tons) horse.
**		Morgan & Garlan, "Q" Mane, Slope, 300 fons, horse,
44	**	What Cheer Coal Co. E. N. Saunders, prest, and treas.; G. A. Wheeler, secy. Shatt, 125,000 lons; steam compressed air. E. M. Trescott, supt.
Zenorsville . Rv. Gilbert S		Hutchison Bros, & Son., James Hutchison, prest., R. B. Hutchison, seey, and treas.; John Hutchison ngr., Cap. \$10,000, No. 1. Shaft, 7.875 tons, horse, W. C. Hutchison, supt.

# GYPSUM

RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINS, ANYTAL OUTPUT IN TOSS OF 2000 FOUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERISTRESTREST.	
Town AND	COUNTY.		
Fort Dodge Ry. 142, 319.	Webster	Towa Plaster Association. L. Blonden, prest.; G. 8, Kingland, vprest.; Leon Vincent, seey. Open pit; steam.	
**		Duncombe Stucco Co., John F. Duncombe, prest.; C. F. Duncombe, seey., treas, and mgr. Cap. 8tk. \$50,000. Open pit, 16,000 tons, steam, mill. Patrick Caluff, toreman.	

#### LEAD AND ZINC

Location of Mine Railways, Wafer Routes and Shipping Point.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TOOS OF 2,000 POURDS, KIND OF POWER USED, NAMEDERS, ETC., AND NAME OF MINE SUPERINREDENT.
Town IND COUNTY	TOWER USED, CHEETERN, ETC., AND DAME OF MINE OCCUPATIONS

Dubuque E. T. Goldthorp & Co., 363 Alta Vista St. N. H. Snow, prest., W. A. Jones, seey, and treas., E. T. Goldthorp, mgr, and supt. Dubuque, zinc. Shall, L000 tons, horse.

"Trucb, Southwell & Co., 363 Alta Vista st. J. Frucb, prest., S. Southwell, seey., A. Trucb, treas., E. T. Goldthorp, mgr, and supt. Cap. stk. 80,000. Alpine Blossom, zinc, lead. Shalt, 2,000 tons, horse, E. T. Goldthorp, supt. Dubuque Ry. 141, 319.

ST	ONE, MARBLE, GRANITE AND ONYX
LOCATION OF MINE OR QUARRY RAILWAYS, WARPER ROUTES AND SHIPPING POINT. TOWN AND COUNTY.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STORE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TORS OF 2,000 FOUNDS, KIND OF FOWER USED, NOTON FOR MARBEE MILLS, LIJERETHNS AND CAPACITY, LIC., AND NAME OF MINE SUPERINTENDENT.
Mason City - Cerro Gordo Rv 141, 527, 423	Mason City Stone Co. Adin Bandall, prest., W. F. Randall, seey, and mgr. O. T. Demson, treas. Cap., stk solon. Mason City, sand and limestone. Open pits, steam.
Stone City Jones	II Dearborn & Sons. Stone City, Innestone. Open pit, 50,000 tons, steam and horse. II, Dearborn, supt.

#### SEE ALSO SUPPLEMENTARY LIST

# KANSAS

## COAL- BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK.
NAME AND KIND OF MINE, ANNUAL OCTIVIT IN TORS OF 2,000 FOUNDS, KIND OF POWER USED,
COAL BREAKERS, WASHERS, CORE UVERS, AND NAME OF MINE SCREIMSTEINDENT.

Arcadia. Ry. 348.	Crawford	G [W. Campbell.   Cap. \$1,000.   Campbell's.   Open pit, slope, 6,000 (ons., hand.
		Wm. Dinsmore (local). Bunker Hill. Strip.
Arvonia. Ry. Lebo 20	i.	W. J. Jeremy docal). Open pit, 200 tons.
**		Rees Lewis clocal). Cap. \$150. Lewis. Tunnel, too tons, hand.
**	. "	Morris & Bebb docal : Open pit, 300 tons.
**		Mrs. H. Umdenstock   local : Open pit and tunnel, 125 tons, hand,
V)B) (P. O. Wood 460,	Bourbon. dland ∈ Ry.	H. McCorkle, Cap. \$4,000. McCorkle, Open jul 300 fors, hand, horse
Bayne Ry, Lincoln	Lancolu 1776.	N. B. Allen (local). Cap. \$3,000. Ingalls. Shatt, 1,000 tons, horse
Bunker Hill Ry, 776.	Russell	Joseph Menzier. Menzier. Open pit, 1,200 tons; hand.
Burlingame Ry, 26.	Osage	Eliza Armstrong, Cap. 85,000. Boss. Shatt, 6,000 tons; horse, W. Foster, supt.
	**	Central Coal & Mining Co., Cap. 8tk, \$1,000. Central. Shatt, hand. Altred F. Cole, supt.
**	**	Jack's Coal & Mining Co. (John D. Jack, nigr.) Cap, 8tk, \$4000. [Burke's, 1,000 fors., horse, hand.]
**	**	Sarah Mings - Cap, \$1,000. Central. Open pit, hand. Altred E. Cole, supt.
**		Richard Underwood   Cap. 81,000.   Lureka   Shart, 300 tons   horse
Carbondale Ry. 26, 355,	(b),(g)	D. P. Clement, Cap. 85,000. Clement's. Open pit, slope, 1,000 tons. horse,
	**	John Coffman Jocals: Open pit, 600 tons, hand,
		H. J. Harfman   local   Cap. 8600.   Harfman, Open, 200 fons   horse,
**		T. N. Thomas, Carbon Hill, Kan. Cap 81,000 Fagle. Stone, Lowetons, horse,
**		Wm. H. Thomas   Cap. 81,200   Exercision, Shaft, 6,000 tons   horse
Center P.O. and T Hill 776.	Russell Rv. Bunker	N. E. Watner, local $\tau_{\rm c}$ (c.ap. 800). Spring Creek . Slope, 76 tons $^{3}{\rm hard},$
Chetokee Ry, 348, 460		H. Germann, Cap sto,000. Open pits, conoctons, horse,
Chetopa Ry, 459, 460	Labette.	J. A. Varlon, local a Cap. 856. Trott, Open p.t. 100 tons. Lorse
Clarksburg Ry, 348.	Bon bon	John Bishop docale. Open pit, 50 tons, horse hand
Coalvale Ry, 348,	Crawford	Rell & Co.   Rell.   Draft, hand   J. W. Davenport, supt.
Columbus Ry 548, 720		George Robinson - Shatt, Lesetons - horse
Denmark Ry Lincoh	.I medn n 776.	Mike Mortis [local]—B isemin s.—Shatt, hand
**		W. B. Smith, local — Cap. 8, 400 — L. V. L. Shaft, 500 fors — Forse —
Fleming Ry 460,	.Clawford	Western Gorl & Mining (16), St. Dorrs, Mo., Sixth and Locast sts., Lovin, Gorle. 1983. D. S. H. Gorrs, see, and tracs. R. M. McDowell veptest, and in [3], G. S. S. S. S. Gorroot, L. 1992. and S. S. J. Marchen, Physical Rev. B. S.
Tort Scott Ry48, 460	Bottown	Newton Chase Joean — Open pit, foctors, hand,
		Transis Petroe & Sons. Cap \$20,000. Terror. Transis, spen p4 5,000 form brand base. J. W. Lettersuph.
		Thomas Hill local Hill, Open pit, so tons dorse,
		Wm. Peerman Joeal Diction Open pat Justs James
Frontenae Ry. 26.	A rawtord	Cherokee & Pittsburg Goal & Maing Co., Topeka, Kan, A. Manyel prest of Wilconfrons (Ch. 8) beylan mgr. Shaft, 20000 tons osteam. Robt, I. Herreke supt.
Garland Ry, 348	Bourbon	G. W. Pellett clocal — Cap. 8500 - Pellett 8. Open pit, 1,000 tons.
Godfrey Ry, 348.	Bourbon	N.D. Cuttis, local — Open pit, hand,
Lansing L. Ry. 26, 548,	eavenworth 460, 776.	Kansas State Penitentiary. Good House of inden. Penitertary. Shafts, we see as (80 tons). Oscar P. Latinu, supt.
Leavenworth, Ry, 26, 141,	Leavenw'th 145 - 48, 400,	Home Witting Co., H. O. Rush, cost (C.S. Hartongh, some W. C. Surger, et al., See See See and sopt (Cup. (R. Success) Home (S. all., 2000) 100 of the surger.

## COAL BITHMINOUS (COSTISTED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		Name of Company of Individual, Location of Principal Office, Names of Officers, Capital Nioci Name and Kind of Mine, Annual Output in Tods of 2,00 Pounds, Kind of Power Used, Coal Breakers, Washiers, Core Ovens, and Name of Mine Superintended in	
Town AND	COUNTY.	COMBINEAREDS, CARLEDS, CORE O'ERS, AND MAME OF MINE COTESINIENDENT.	
Leavenworth Le (Continu	eavenw'th	Leavenworth Coal Co., north end of Secondst. Lucien Scott, prest.; Tillin Sinks, Secy.; J. E. Carr treas., mgr. and supt. Cap. stk. \$300,000. Leavenworth. Shuft, 120,000 tons, steam, electricity, rope	
Lebo Ry. 26	Coffey.	John Bothstadt. Open'pit, 600 tons; horse,	
		High Jones (local). Open pit, 600 tons.	
		W. M. Phinney. Open pit, 240 tons; horse, hand,	
		Geo, Reid (local). Tunnels, 5,000 tons; hand.	
		W. A. Richardson, Cap. \$2,785. Red Flag. Open pit; horse,	
		Louis Siehulir. Open pit, 800 tons, horse.	
		J. R. Woodworth. Cap. \$2,000. White Star. Open pit, 3,000 tons; horse, hand.	
Lincoln Ry. 776.	Lincoln	Ben Goode & Sons (local). Cap. \$4,000. Shaft, 200 tons, horse.	
Litchfield Ry, 720,	Crawford	Kansas & Texas Coal Co., St. Louis, Mo., Fourth and Olive sts., Laclede Bidg. B. F. Hobart, prest.; W. P. Heath, seey, and treas. Shart, open pit. steam. D. Ramsey, supt.	
McCune Ry. 348,		W. Huntsinger (local). Cap. \$3,000. Huntsinger. Open pit, 1,300 tons, horse, hand.	
Midway Ry. 348, 460,	Crawford 720.	Pittsburg & Midway Coal Co., E. H. Brown, prest, and mgr.; John T. Morrison, seey, and treas. Cap stk. \$200,000. Mines I. 2 and 3. Shalts, 106,200 tons, steam. J. T. Morrison, supt.	
Mmersville, Ry, Concord 460, 776,	Cloud in 26, 88,	Alexander Henderson, Sharts, 5,000 tons, horse,	
		T. P. Kirk & Hoy. Cap, \$3,000. Murray. Slope, 2,000 tons; horse. J. Gushaway, supt	
		William Weitzel, Cap. \$1,000, Minersville, Shaft, 2,000 tons; horse,	
rehard P. O. and Ry 348.	Lum La Cygne	T. W. Gage (local). Cap. \$1,000. Harrison. Shatt, 2,000 tons; horse,	
Sage City Ry, 26, 460,	Osage	Black Diamond Coal Co.   Cap. stk. \$5,000.   Shatt, 11,000 tons, horse,   J. M. Hershey, supt. and mgr.	
		Win, Louisberry (local), Fulton, Kan, Open pit and shaft, 1,000 tons, hand.	
	**	Osage Carbon Co., Topeka, Kan. A. Manyel, prest;: E. Wilder, secy, and treas.; C. J. Devlin, mgr. No. 2 Shafts, 77,944 tons; horse. Robt Craig, supt.	
	**	Pittsburg Coal, Land & Mining Co., W. T. Williams, prest., E. E. Dome, secy. Cap. 8tk, 800,000. Pittsburg. Shaft, 6,000 tons; horse. John Ogrin, supt.	
		L. Baker. Cap. \$3,000. Oswego. Pit, sortons, horse.	
Pawnee Station Ry 348.	Bourbon	G. F. Lanquest. Open jut, 1,000 tons, horse, hand.	
Peterton Rv. 26.	Osage	Wm, Pletcher (local). Open pit, hand.	
**		N. C. Standiford, Cap. \$1,000. Farmer's, Open pit, 700 tons, horse, hand	
Pittsburg Ry 26, 348, 4	Crawtord 60, 720,	Kansas & Texas Coal Co., St. Louis, Mo., Fourth and Olive sts., Laclede Bldg. B. F. Hobart, prest, W. F. Heath, seey, and freas — Shatt and open pit. steam. D. Ramsey, supt.	
	"	Minerd & Co., cor, Third and Broadway. W. B. Calhonn, mgr - Cap stk. \$25,000. New York. Shart, 30,00 tons. Steam. J. H. Minerd, supt.	
		Montgomery & Sheets. Cap. 81,000. Open pit, 1,200 fons, hand. David Ramsey, supt.	
		C. L. Stotts & Co. (local). Buffer Open pit, 30 tons.	
		Wear Coal Co., Topeka, Kain, 110 W Sixth St. F. E. Wear, presh, T. G. Wear, vpresh, N. S. Wear, seey Cap, 8tk, 850,000. Shatt, 150,000 tons. Steam. A. B. Kirkwood, supt.	
		Wear Coal Co., Topeka, Kam., 110 W. Sixth St. F. E. Wear, prest., T. G. Wear, vprest.; N. S. Wear, seey Cap. 8tk, \$50,000. No. 2. Shatt, 120,000 tons, steam.	
Pleasanton, Ry (48, 460)	Linn	Mine Creek Coal Co. Thos, Fleming, prest and treas,; I. M. Fleming, seey, and mgr. Cap. 8th 850,000 No. 1. Shaft, 15,856 forms, steam. Hugh Reid, supt.	
		Pleasanton Coal Co. Altred Blaker, prest., W. W. McCullough, seey, and treas. A. L. Humphrey, mgr Cap. 84k, 810,000. Pleasanton No. 1. Shaft, 10,000 tons. steam	
		Thomas Staton. Open put, 2,500 fons, hand.	
Pomona RV 25, 500	Franktn	Dver & Graves - Cap. 8500 - Dver. Tunnel, 2,500 tons., hand. F. E. Dyer, Supt.	
		Paynfer & Challand Coal Co. Cap. 85,000 - Pomona. Shaft, Junnel, Steam, compressed att. J. P. Paynfer, supt.	
Prescott Ry. (18	. Linn	$\label{eq:lower_lower} \mbox{Figures} \mbox{ Fedangy, Cap $87,000. Link. Open pit, 4,400 tons, horse.}$	
		the state of the s	

[22] J. C. Billings. Cap. Scione. Billings. Open pit, 500 tons. horse. John Brown St. Cap. 8200. Brown's Open pit, 2,000 tens, horse, hand,

, Osage (John Boyle clocal), Osage (Shafts, horse) Pat. Ryan, supt.

. J. J. Hang, Cap 8500. Ham, Open pit, 2,500 tons, horse. Efficer Ham, supt

Russell

Ry. 776.

#### COAL-BITUMINOUS (CONTINUED.

Lucz	TION OF	MINE,
RAILWA	yr, Wate	R ROUTES
AND S	SHIPPING	POINT.
Town	AND	COUNTY.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, Annual Output in Tons of 2,000 Pounds, Kind of Power Used, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

QuenemoOsage (Continued.)	A. S. Mason (local). Cap. \$300. Drift, hand.
Quindaro Wyandotte Ky. 355.	Sunflower Coal & Mining Co., Kansas City, Mo., 766 Wall St., John F., Carr, prest, and supt., R. H., Stewart, seey., W. J. E. Carr, Treas., J. Oswald Clarke, mgr., Cap. 8tk, 8150000, Sunflower, Shatt, 310,000 tons, Steam.
Ransomville. Franklin Ry, 26.	Caples & Bro. Banson. Tunnel, 3,000 tons, hand. George Caple, supt.
	Ransom & Sins, Cap. \$3,000. Ransomville, Shatt, 12,000 tons, horse, James Sins, supt.

Cherokee | Keith & Perry Coal Co., Kansas City, W., 200 Walmut st. | R. H. Keith, prest. | F. E. Riley, seey., David Mackie sr., treas, and supt., John Perry, v. prest, and mgr. | Cap. stk. 8500,000. | Keith & Perry. Shaffs, 120,000 toons, steam Scammon Ry. 348, 720. Norton Coal Co., Baxter Springs, Kan. W. S. Norton, prest, and Juga. F. R. Pattyson, Seey., M. E. Norton, freas, Cap. 830,000, Norton No. 2, Shatt, 60,000 tons, steam, John Zimmerman, supt. ton, treas, tap. \$50,000.

Osage Bell Bros. Cap. \$16,000. Bell's, Shatt, 15,000 tons, horse, Duncan Bell, supt. Seranton Rv. 26. Osage Carbon Co., Topeka, Kan. A. Manyel, prest (4) Wilder, seey and treas (C. J. Deylin, mgr. No. 1, Shalts, 54,543 rons, horse. Robt, craig, supt. P. Ryan & Co., P. Ryan, treas, John Hoeldan, mgr., Cap. 8th, 86,000. Shatt, 7,200 tens, horse. Thos. Elwood, supt.

erman City - Cherokee - Win, Theobald (local), Cap. 82,000 - Shatt, 100 tons, horse Ry, Columbus 348, 720. Sherman City

Russell, L. D. Smith & Co. (local). Smith: Shatt, 200 tons, horse,

Silver Lake Wm. H. Forbes & Co., Wm. H. Forbes, prest., R. M. Forbes, secv., and supt., J. H. Forbes, treas., Robt. Forbes, mgr., Cap. \$50,000., 80ver Lake., Shatt, 11,000 tons., horse. Shawnee

Columbus coal Co. [4] P. Anderson, prest., J. W. Spencer, seev, and mgt., [4, 4]. Itollet, items. Cap. 8th, 8th, 900, No. 2. Shatt, 47, 32 fone, steam, [6]. Newlands, supl. Suppyille O, and Ry, Colum bus 26, 348

Wayeriy A. P. Ingleman, local . Open pit, 280 tons, horse, Ry, 26, 550,

Cherokee Central Coulty, Cap \$15,000 Daisy, Shaft, 60,000 tons, steam Jas Dennis, fugi and supt. Ry. 348, 720 J. H. Durkee (cont.co., Fort Scott, Kan., J., V. Durkee, prest., J. H. Durkee, seevy, treas, and mgr. Co. sk. 825,000. surplus 850,000. West. iv. Shatts, slopes, 120,000 tons. steam. Joseph Humble, supt.

Kansas & Jexas Coal Co., 81 Joans, Mo., Locath and Olive sts., Lackone Bldg., B. I. Hobart, prest., W. P., Heath, seey, and treas. Shaft, open pit. steam. D. Bainsey, supl.

Keith & Perry Coal Co., Kansas Cat., Mo., 96. Walford st., R. H. Keith, prest., L. L. Liley, seev., David Mackae'st, Gress, and supt., John Perry, v. prest, and mai. Cap. stk., 860,000. Keith & Perry. Shafts, 200,000 from set am.

Franklin 4 Brown Open pit, foctors forse Williamslurg Ev. 26

Franklin Coal Co. Coal Creek Dr. H. 30,000 tons T. inc J. J. Morgan Jocal., Morgan, Lumpl. (or tops) base

Pearson & Alexander: Shaff, open pit 400 tons, horse, T. O. Pearson, 81 pt

Price & Rusbatch, Joean . Tennel, L. Jons

W. H. Vooris, Open pit, toctors, horse

### GYPSUM

Locyttos or Mist NAME OF COMPANY OF INDIVIDED AS A CONTROL OF OTHER CONTROL OF A CONTRO RATEWAYS WALLS from 11's AND SHIPPING POINT Towns Courses

Bl. a. Rapads Rv. 400, 776 Marshall Blue Repeas Plaster Co., 1 M. Lo., e-presi. H. G. P. e (e. seev. 22) s. ... Turan C 9,000 tons. Aorse, hand (no.d., W. H. B.U. s. p.).

Dickinson Salme Cement Plaster Co., Salme, K. a., W. a., Wels (2007) St. M. W. I., a.s. v. 1983, I. d., H. On near sery, P. T. Gebar Gitras, Cop. stk., Stansso, Com., a., s., s., a., s., s., s., w. M. M. Hosse, suppl. Ky Swayne for

Siline Acnost ement Plaster to (Sour), Kare (W. W. Watson, pass), and a fill force source (a.s. t) (d. M. Wellslager, treas, for silk St. 2000). One happy Thomas of the first force (a.s. t) (1.8.1). Copsum

Barber Best Bros & Co. Thopas Best may ano supt at a solution of the second scale as a second policy of Medicine Lodge

## IRON

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TOOM OF THE POUNDE, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE, SUPENISTENDENT,
TOWN AND COUNTY.	
Galena Cherokee Ry, 348, 720,	Cornwall Mining & Smelting Co. J. P. Kleinfield, prest.; J. A. Walbert, secy, and supt. Cap. 8tk, \$30,000, Cornwall. Shaft, 400 tons, free; steam, horse.
	Empire Mining Co. Jas, Murphy (lessee), Empire City, Kan. Cap. \$82,000. Galena. Shaft, 1,002 tons: steam,

		LEAD AND ZINC
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND
Town AND	COUNTY	OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT
Galena Ry, 348, 720		Annie Laurie Mining Co., St. Louis, Mo., Broadway and Locust. John F. Shepley, prest.; C. A. Cimning ham, seey, and treas.; Green Lausford, mgr, and supt. Cap. stk. 88,000. Annie Laurie, lead and zinc. Shaff, old tons; Steam.
	**	Boice & Son. Cap. \$15,000. Lead and zinc. 4,500 tons, steam, horse, breakers. A, H, Boice, supt.
**	**	Boughten, Forman X Buck, Geo, H. Boughten, prest.; F. H. Boughten, seey.; Gordon Boughten, treas, and supt.; Paul Hopeman, mgr. Cap. stk., 810,000. Schermerhorn, Big Six, Crystal, lead and zinc. shaft, 2800 tons, steam, horse.
	**	Central Mining Co., Main, and First sts., W. R. Cowley, prest.; E. S. Morton, sery.; John Page, treas.; A. E. Maitland, mgr, and supt. Cap. stk. \$15,000. Lead and zinc. 685 tons; steam, horse,
	. **	Clement Mining Co., Jophn, Mo. W. W. P. Clement, prest., John P. McCann, seey.; Thos. Conner, treas.; D. S. Brewster, mgr. Cap. stk. \$24,000. Clement, lead and zinc. 2,715 tons; steam. W. F. Phillips, supt.
	• •	John M. Cooper Mining & Milling Co. John M. Cooper, prest., E. B. Schermerhorn, seey., treas, and ingr. Cap. 8th, \$100,000. Shaft, 1.971 tons. steam, horse.
	**	Cooper & Schermerhorn, Cap. \$100,000. Lead and zinc. Shaft, 1,915 tons, steam, horse,
	**	Robert Crowe, E. J. Tutty, mgr   Cap. \$5,000. Crowe, galena.   2,500 tons; steam.
	**	Al. Emmons & Bro. Cap. \$8,000. Lead, zinc. 3,000 tons, horse, steam.
	**	Galena Lead & Zine Co. E. Zelleken, prest., A. C. Spring, seey.; John Henricks, treas., Peter Rice, mgr. and Supt. Cap. stk. \$175,000. Galena, lead and zine. Shatts, steam, horse, band.
		Maggie Taylor Mining & Smelling Co. P. W. Perkins, prest. A. H. Hunt, seey., C.O. Stockslegor, freas., J. A. Walbert, mgr. and supt. Cap. stk. \$50,000. Maggie Taylor, galena. Shafts, 25t tons, horse steam.
		Mall Reed Paint Co. C. L. Mall, prest., treas, and mgr., F. Weber, seey. Cap. 8tk. \$12,500. Mall Reed lead and zinc. Shatt, 55 tons, steam, horse. C. L. Mall, supt.
		Olno Lead & Zine Mining Co. B. Cooley, prest, and mgr., K. J. Cooley, seey, and treas. Cap. 8tk, 820,000 Shafts, 20,000 tons. steam, horse,
		Queen Bee Mining Co. Alex, Walkenshaw, mgr. and supt. Queen Bee, lead and zinc. Shaft, steam,
		Shenango Mining Co., Jophin, Mo. Altred Bloker, prest., O. H. Picher, seey., Phil. J. Pfenning, nigr. (ap. stk., \$25,000. Shafts, 2,000 tons. hand, steam. N. U. Wilson, supt.
		South 8ide Mining & Manutacturing Co. (W. B. Stone, prest, (W. H. D. Brown, seey., (W. E. Stiee, treas., Thos. Moonlight, nigr. and Supt. (cap. stk. \$500,000). Lead and zinc. (Shatts, 10,500 tons, steam, horse
		W. B. Stone, Cap. 825,000. Homestake, galena. Shatts, 2,15t tons, steam. Robt, O'Hare, supt.
		W. B. Stone & Howard Gove. Cap 8tk 325,000. Folmer Tract, lead and zinc. Shatts steam. W. A. Stone, supt.
		Williams & Robeson Cap, \$10,000. Zinc, lead. Shatt, 100 tons. steam.
		Wyandoffe Lead & Zine Co. T. S. Borce, ptest., L. J. Hames, seey. E. B. Schamerhorn, freas., J. H. Borce, mgr. Cap. 8tk, 825,000. Wyandoff, lead and zine. Shafts, L500 fons, steam. E. St. Georgi Doble, supt.

### MINERAL PAINT

LOCATION OF MINE.

PEMENALS, WATER LOCKER
AND SHIFTING POINT.

FORM AND COUNTY

NAME OF COMEAN OF INDIVIDUAL LOCATION OF PERSONAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, Avail of Miss., Rinn of Propert, Rind of Minf, anni aluttifit in Tons of 2,000 Fornies, Rind of Pongel (Sep., Pars) Mills, Etc., vid Name of Mine Stephens endert

offver 1 (1920) Saline River Paint Co., Krusas City, Kair , Berger ave – High MacMillan, prest, and freas., M. A. Mac-Ry 756 – Millan, eev, and mgr – Cap 8th 855000. Saline River, vel'ow and red ocher. Open pil, 1,500 tons

# $\operatorname{SALT}$

	SALL
LOCATION OF MINE OR WELL, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK.  NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTFUT IN TOSS OF 2,000  POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUFFRINTENDENT.
Anthony,	Anthony Salt Co. Geo. W. Matlet, prest.; T. B. Smith, seey, and treas.; Lew Sargent, mgr. and supt. Cap. 8tk, \$50,000. Anthony, common, fine. Wells, 14,000 tons, steam.
· · ·	Globe Salt Co. T. B. Smith, prest.; M. L. Sargent, secy. Cap. stk, \$50,000. Globe, fine, dairy. Wells, 10,000 tons; steam.
$\begin{array}{cc} \mathrm{Hutchinson} & \mathrm{Reno} \\ \mathrm{Ry},  26,  142,  318,   460, \end{array}$	Barton Salt Co. Barton, common, fine, Wells, 17,885 (ons., steam,
· · · · · · · ·	Kansas Salt Co. R. R. Price, prest , J. W. Mulkey, sery, and treas., W. L. Moore, mgr. Cap. stk. \$1,000, 000. Common, dairy. Wells, 50,000 tons.
	The Star Salt Co. R. F. Conn. orest, and mgr., W. R. Randle, seey, and treas, Cap. 8tk, \$50,000. Star, common, fine, dairy. Well, 8,000 tons, steam, R. E. Conn. supl.
Kanopolis . Ellsworth Ry, 460, 776,	Royal Salt Co., Kansas City, Mo., New York, Life Bidg., J. S. Crowell, prest., R. A. Worthington, seey.; John H. Thomas, Iroas., S. E. Baker, ingr. Cap. stk. 8500,000. Royal, rock. Shaft, 35,000 tons; steam, James Cowie, sipt.
Kingman Kingman Ry, 26, 318, 460,	Farmers' & Drovers' Salt Co. (F. A. Patsons, mgr. (Fine, evaporated). Well, 2,500 tons., steam.
"	Kingman Rock Saft Co. Shaft, steam
Lyons Ry, 26, 142, 460.	Lyons Rock Salt Co., 8t. Louis, Mo., Globe-Democrat Eldg. Altred Beyls, prest.; C. H. Longstreth, seey.; Jean F. Webb, vprest., treas, and mgr.—Cap. stk. \$65,000.—Salt wells, 50,000 tons, steam.
	Midland Rock Salt & Mineral Co., Cleveland, Ohio. Dan P. Fells, prest., H. W. Gebaner, seey. Howard P. Fells, treas., John P. Brisben, mgr. Midland, rock Salt. Shafts, 100,000 tons. Geo. M. Anderson, supt.
Solomon City (Dickinson Ry, 26, 442, 776.	Solomon Solar Sall Co., Kansas, City. Mo., 769. Walnut St., L. J. Talbott, prest., John R. Ranson, seey., treas, and high. Cap. stk. \$30,000. Solomon, coarse, line. Well, 2,000 fons, steam. J. Sammel Wain- satt, sup.
Sterling, Rice Ry, 26.	Sterling Salt Co., T. H. Brown, prest , Dr. P. P. Truchearf, seey , J. C. Turner, treas, and mgr., Cap. 8tk, 824,000. Coarse. Wells, 64,000 tons, steam.
Wellington Sumner Ry, 26, 145,	D. A. Espy. Coarse. Well, 5,000 tons, water

SEE ALSO SUPPLEMENTARY LIST

# KENTUCKY

### COAL ANTHRACITE

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Webster Henry Rowland, Slope, 640 tons; horse,

Carlow Ry, 612. Hindman. P. O. Ry. Jackson 362

Knott R. S Cornett (local). Sassafras, Kv. Cap. \$3,000. Open pit; hand,

Knottsville Ry. Owenshoro 407, 408

Daviess C. E. Coomes (local). Cap. \$500. Hobbs. Tunnel, 200 tons. hand.

.. Clay Laurel Creek

Milton Roberts (local), Cap. \$500. Roberts. Open pit; hand,

Ry. London 408, Lily

J. L. Hornsby & Sons (local). J. L. Hornsby, prest, and supt.; H. C. Hornsby, secy, and treas.; Isaac Hornsby, mgr. Cap, \$25,000. Laurel Creek. Open pit, 3,000 tons, steam and water. Laurel Lily Coal Co. C. Croak, prest.; S. W. Hodge, seey.; J. C. Wilder, treas.; Roscoe Modge, mgr. Cap. stk. \$100,000. Lily. Tunnel; hand. Frank Elliott, supt.

Ry. 408. Line Creek Ry, Somerset 612.

Pulaski, John M. Mayfield (local). Lace's Fork. Tunnel; hand.

Pleasant Ry Peach Orchard 537

Martin S. D. McCoy (local). Open pit, 3 tons, hand.

### COAL BITUMINOUS

LOCATION OF MINE. RAILWAYS WATER ROUTES. AND SHIPPING POINT. COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUPLRINTENDENT.

Butler Aberdeen toul & Mining Co., Morgantown, Ky. E. P. Aspley, prest., G. D. Render, seey, and treas.; James F. Phillips, mgr. and supt. Cap. 8tk. \$20,000. Aberdeen. Open pit, drift, 40,000 tons; horse, Aberdeen Ry, 2980. hand

Ætnaville Ohio Justice Simpson. .Etnaville. Drift; hand. Rv. 360. Alphotetta

Floyd S. P. Dingus & M. C. Spencer (local). Tunnel, band. Ry, Prestonburg 5

Alpine ,Pulaski Richmond Coal Co., Chattanooga, Tenn., Keystone Block. C. B. Finley, yrest.; T. L. Richmond, seey and treas—Cap. 8tk, 825,000. Richmond. Drift, 50,000 tons, compressed air.—E. A. Foster, supt. Ry. 166

Laurel Alfamont Coal Co. C. Crooke, prest, and nigr.; F. E. Sampson, seey.; W. P. Crooke, treas. Cap. 8tk, 8200,000. Alfamont. Tunnel, 0.477 tons, steam, horse. J. C. McK. Richardson, supt. Altamont Ry 408, Carfer Little Fork Coaf & Sand Co., Levington, Ky. S. W. Lytfle, prest., Miss Mamie Lytfle, seey, and treas., M. L. Beall, nigr., Cap. 8tk, \$25,000. Little Fork. Tunnel, hand (developing). Auglin

Ry, 242. Annyille By East Bernstadt jos.

Jackson Vanghii Mining Co., Tyner, Ky. Cap. \$2,000. Vanghii. Open pit, 20,000 tons, band. James St. John, supt.

Back Bone Filiott J. k Pennington clocals, Tunnel, hand. Ry Willand 242

M. M. Race docals. Tunnel, hand

Barnett's Creek - Johnson - William Trimble (local), - Tunnel, band

Hopkins Cooperativ Mining & Manufacturing Co. John Dunning, prest 8, Platt, seey, and treas, Cap. 8th, ton 468 \$50,000 Cooperative. Drift, 32,000 tons, horse, Ry. Earlington 40s

Henderson Baskeft Coal Co. C. L. Nall, prest. R. S. Easton, seev, and treas. William Jamieson, mgr. and supt. Cap. 8tk, \$55,000. Baskeft. Shaft, 50,000 tons, sheam. Baskett Ry 407 Lee John G. McGaire docal). Tunnel, hand.

Beattyville St. Helens add

Olgo, Mrs. Martha P. Ward clocab., Open pit, 24 tons, band,

Ry Beavet barn 200

McLean, W. H. Hardin local). Tunnel, 100 fons, hand, horse

Beech Grove McLear Ry, Wrightsburg 2880

John J. Hudson (local). Slone, horse,

e Spring — "Admanson "John P Meredith Jocal». Tunnel, hand By, Grayson Sp2s 199 Bee Spring Boomeville.

Ow lev Richard Reynolds & V. D. Brandenburgh, Cap. 85,000. Reynolds. Tunnel, 6,000 fons, hand

Johnson, Win, A. Wells, Joral. Cup 83,000; Tunnel, 20 fons, hand,

By Richardson 55 Bowen Rv. 362

Powell W. B. Coughlin, Style, Kv. Branch. Tutnet hand. H. S. McKnobb supt.

thy by S. Isaacs & Nelson Price Jocals, Isaacs, Open pit, setons Ry, St. Helens ad

## COAL-BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
AND SHIPPING POINT.  TOWN AND COUNTY.	Name and Kind of Mine, annual Output in Tons of 2,00 Pounds, Kind of Power Used, Coal Breakers, Washers, Cobe Ovens, and Name of Mine Superintendent.
TOWN AND CHESTS.	
Buncombe Knott Ry, Jackson 362,	W. F. Amburgey & Peter Madden (local). Tunnel: hand,
Busseyville, "Lawrence Ry, Louisa 537.	A. J. Thompson, Cap. 84,500. Tunnel, 29 tons,
	Webb & Bussey (local). Tunnel; hand,
Byron . Clay Ry. London 408.	Jerry Reuge (local). Open pit, 70 tons, hand,
Cancyville, Grayson Ry, 499.	Samuel Preston docal). Tunnel, 200 tons, hand,
Centretown Ohio Ry, Beaver Dam 199.	Amsiah Carter Jocal). Tunnel, hand, too tons,
	L. C. Morton (local). Tunnel, 240 tons, band,
16	J. P. Tichenor (local). Open pit, 175 tons, hand,
Central City "Muhlenberg Ry. 499, 549.	Central Coul & Tron Co., Louisville, Ky., 46 W. Mant St., B. du Pont, prest., Banner Coleman, seev. andreas.; Thomas J., Japp. vprest. Cap. 8tk, 860,000. Central. Shaft, 125,000 fons, steam. Jame Stephens, supt.
Chaytes Perry Ry, 362.	Hikman & Co. D. L. Hikman, prest. O. J. Chandler, Seey. R. Sighmore, treas., J. Hikman, mgr Cap. 8tk, 85,000, Miller's Branch. Open pit, 6,000 tons. E. Duit, supt.
	J. L. Moon & Co. J. L. Moon, prest., P. F. Johnson, seey , J. A. Duff, treas = G. W. Martin, mgr. Cap., 81k, 850,000, O havies - Open pit, 2,000 tons, hand.
Clay Webster Ry, 362.	A. E. Cullen, (cap. \$12,000). Wallace. Drut, slope, 800 tons, male.
	W. A. Galbrath (local). Cap. 81,000. Open pd. drift, 800 tons. hand.
	James M. Hasbitt., Cap. 81,500. Open jut. socitons, hand.
Cloverport Breckentidge Ry, 76, 407.	Sloan & Clark. New Hope. Tunnel, 5,000 tons, hand,
Cora Carter Ry Lawtenceburg 40s.	F. M. Kiser (local), McGlore, Ky. Cora. Tunnel, Loce tons, hand, Wim. Kiser, supt.
Corydon Henderson Ry 536,	Corydon Coal & Mining Co. H. A. Powell, mgr., Corydon., Shatt, to tons., hand, B. M. Powell, supt.
Crockettsville Breathitt Rv. Athall 362.	James G. Deaton, Damel Thempson, mgr. Cap. 87,000, a crockettsville. Open pit. 50 tons, hand James G. Deaton, supt.
Cutch Floyd Ry Preston 199	Noah Stone, Dotson, Ky.   Fitz Patrick.   Open pit. horse, hand,
Danleyton Greenup Rv. 132.	J. W. Dingess (local). Open tunnel, hand,
Dawson Hopkins Rv. 199	A S Members docal . Tunnel horse.
Dekoven Umon Ry, 533, 536	Olno Valley Coal & Mining Co., 8-8, Brown, prest, 8-P. Startis, seev, and mgr., N. M. Jones, treas Cap 8th, 820000. De Koven., Slopes, 50,000 tons, steam - breoke ovens, John Whitehead, supt
Denton t arter Ry Mt. Savage 151, 199.	Strait Creek Coal Co., Mt. Sterling, Rv. M. M. Cassaly, prest. Win. Mitchell, treas. Kent Pritchard ingr. and supt. Cap. stk. \$100.000. Strait Creek. Turnel 27000 tons, steam and horse.
Drakesboro Muhlenberg Rv 408	Green River Coal & Mining Co., James J. Pierce, prest, and mgr. W. J. Burnam, seey. Warren Deposit Bank, treas. Cap 8tk 815000. Pierce. Shatt, slope, abadytons, steam. John Wright, supt
	James F. Pierce (lessee). Cap. 825000. Shaft, slope. steam. John Wright, supt.
Earle's Muldenberg Ry, Greenville 499.	Edward Bennett   local   Strawberry,   Januel, Scions,   hand,
Earlington Hopkins Rv. 408.	Heda Coal & Mining Co., Nashville, Teva. J. 1, 1 oard, prest., W. F. Anderson, seey, and treas., Ben. R. Robinson, mgr. Cap. 8tk, \$200,000. [Heda., Shaft Josepetons, steam, electricity.]
	St. Bernard Coal Co. (1, G. Sebtec, prest, John B. Atkinson, vprest, and treas). Goo C. Atkinson, seever app. St. St.00000. (St. Bernard - Damels, 5,35c for s. steam - steaker, wisher, to coke ovens, capacity, 3,500 fors.)
Fast Beinstadt Laurel Rv. 408	Litton. Coal. Co. = U Litton, prest. = WJ., Litton, seey., treas. and in at. = Cap. 85,000.   Drift, 8,500 tons.   horse treatment of the prest.   Proposition of the pro
	Nickel Plate Coul Co., J. M. Thompson, mgr., Cap. 8tk, \$12,000. Nickel Plate. Slope, 30,000 tons, steam
4	Star Coal Co., J. McNeill, prest., R. J. Morris, seey, and treas. Star., 15,000 tons. horse. George Har rison, togr, and supt.
East Point Johnson Ry, Richardson 537,	Thomas Blackburn clocal . Tunnet hand,
	W. J. Conley, local .   Fletcher, bitum.no.s, cannel,   Tunnel   Land
Flk Fork Morgan Ry Morchead 499	E. R. Perry, West Liberty, Ky. Joral . Cap St. 60. Rosh Branch. A much boot as. A rano, Familie supt
	Frank Sample local . Tunnel, hand.

Plat Gap — Johnson Arishp & Co. Cap. 880. Clist p. cool as mand. Win Pl. 1888 at Rv. Webbyille

# COAL BITUMINOUS (CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.
Town One County	COAL DECARERS, WASHERS, CORE OVERS, AND NAME OF MINE SCPERINTENDENT
Pordsville Ohio Ry 403, 549	$Gams(X, Read) = Cap((S4,000),  Open(pit, (S,000) tors), \ horse,  W.(S, Gains, Supt.)$
	G. C. Gentry (local) - Tunnel: horse.
	John Johnson. Open pit, horse,
Frenchburg Meintee (P. O. Rothwell) Ry, Mt. Sterling 363, 499.	J. J. & W. I. Dennis (local). Indian Creek. Tunnel hand.
Gay's Creek Perry Ry, Richmond 50	Peter Gross & Sons - Cap, \$10,000. Open pit, hand.
Grassy Creek Morgan Ry, Morehead 199.	Wifey Mullens (local). Tunnel; hand.
Gray Knox Ry, 408.	North Jellico Maning Co. C 8 Neile, mgr. Cap 8tk, 875,000. North Jellico. Tunnel, 550 tons; horse, steam, breaker.
Grayson Carter Ry 242, 132	Hord Bros - Tunnel, 450 (ons., hand.
	James Osenton, Cap. 850,000. Osenton Tunnel, horse, hand. Peter Prater, mgr, and supt. Frank Powers. Tunnel, hand.
	N. M. Mann (local). Tunnel, 300 lons, horse
1(y. 499	Joseph Tyson, Cap 81,000 Gordon Tunnel, hand,
Greenwood Pulaski Ry 612	Greenwood Emilway & Coal Co., Cucumati, Ohio, 49 W. Third St. Thomas D. Lovett, charman, Robert Mcl., Smith, seey., Louis Kröhn, trens., S. A. Adams, mgr., Cap. 8tk, 850,000. Greenwood, Beaver, Tunnel.
Groverdale Magottin Rv. Rothwell 363.	J. W. Bock & Co. Jocal). Cap. \$10,000 Groverdate. Funnel, 100 tons; hand, breaker. G. Williams, supt
Gypsy Magolian Ry, Prestonburg 549.	E. H. Whitaker and others. Cap. 8tk, \$20,000. Open pit, hand, Calvin Howard, supt,
	P. E. Howard (local). Cap. \$1.500. Howard, Tunnel, 4,500 tons, horse,
Hanson Hopkins Ry. 408.	Amos Hook, Jones, Slope, 8,000 tons, hand,
Hawesville, Hancock Ry, 407	Hawesville Coal Co. W. S. Morrison, prest., Re C. Adair, seey, and treas, John S. Adair, mgr. Cap., 8tk, \$25,000. Falcon. Slope, horse, James Gillians, supt.
**	P. Kelly (local), Slope, horse
Hazard Perry 48v Jackson 362.	John C. Spencer, Chayles, Ky. Grapevine Shaft, tunnel
Hazel Green Wolfe Ry Torrent 362	S. W. Ceed (local). Cap. 85,000. Tunnel, 500 tons, hand.
	Ely & Son (local). Open pit, 45 tons, hand. James F. Ely, supt
	Fletcher McGuire (local). Tunnel, 375 tons, hand.
	Jeremiah Prolitt (local). Tunnel, 100 tons, hand.
	G. B. Swango docal). Tunnel, 100 tons, hand.
Ry Paintsville 132.	H. P. Arnett, Cap. \$10,000. Hendricks: Tunnel, 6,000 lons, water.
Ry, Jackson 362.	Samuel Madden (local). Open, hand
Ry. 490.	Robert A. Millet. Horse Branch. Tunnel, hand.
Ry Rochester 2980	D. Hint Cap. \$10,000. Middy River. Slope developing).
Rv. 746.	John Asher docab. Cap. \$2,000. Asher. Open pit, 2,000 tons, hand.
Ry, Peach Orchard 537.	G. W. Comer (local). Kirk. Open ptt, 500 tons, hand.
	John Dingus, Eden, Ky. (local). Kingfisher - Tunnel, 3,200 tons. hand. M. C. Dingus, supt
Ry 408	Sid Gardner (local). Drake. Open pit, 8,000 tons, hand.
	Alva Karnes (local). Drift, open pit. horse - Walter Davis, supt
	George Wood (local), Tunnel, 400 tons, hand,
	James Wood (local). Open pit, 120 tons, hand
Jackson Breathitt Ry, El Katawa 362.	Kentucky I mon Land Co., Clay City, Ky. E. I. Halsey, receiver, Charles Hendrie, nigr. and supt. Cap. 8tk/845,000. El Katawa. Tunnel, 12,000 tons, hand
Jelheo, Whitley P. O. and Ry, Jellico, Tenn., 240, 408.	East Tennessee Coal Co. Knovydle, Tenn., 56 Umon st. E. J. Davis, prest, and gen, mgr., T. C. Richmond, sery, and treas. Cap. 8tk. \$150,000. Howlais, Tunnel, 84,567 tons, steam, Philip Francis, supt.
	letheo & Bird-Eye Coal Co., Lomsville, Ky., 331 W. Main st. E. T. Halsey, prest., Win. L. Halsey, seey : Columbia Finance & Trust Co., treas. Cap. stk. 8530,000. Tunnel, steam (developing).

Paradise Ry, 533.

#### COAL-BITUMINOUS-CONTINUED

LOCATION OF MINE. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, RAILWAYS, WATER ROUTES Name and Kind of Mine, annual Output in Tons of 2,000 Pounds, Kind of Power Used, AND SHIPPING POINT. COAL BREAKERS, WASHLES, COKE OVENS, AND NAME OF MINE SUPERINTENDENT. COUNTY. 2 WOL AND Jone burg Harlan John L. Jones (local - Cap. 85,000, Hand, 11 fon-Ry. Wasioto 408. Whitley Main Jellico Mount Coal Co. Attila Cox, prest., H.V. Sanders, seey, and trens., Hywel Davies, mgt. Cap.stk 8500,000. Tunnel, 85,000 tons. Ry. Jellico, Tenn., 408. Norton Tron Works, Ashland, Ky. C. H. Green, prest, and m.g. T. E. Scaton, seey., John Russell, freas, Cap. stk, \$1,000,000. Sta. Furnice. Timnel, 50,000 fors. horse, breaker, James W. Hughes. Kileone Carter lo, no. Madison Mrs K J Moran Jocal) Bighill, Open pd, 320 tons; hand Kingston V Rv. Harris 360. Whitley George W. Hamblin, local Cap. \$1,000. Trainel, slope, open pit, 20 tons. hand o Ry Mahan ios Lavinesville Floyd J. D. Bushek Co., J. D. Bush, prest., Henry Hatchet, seev. Archiba's Gibson ite is. Cap 8th, 810,000, Tunnel, 200 tons, hand. Hancock, Wm. I. Kang, lesser local Pab., Saope, 760 fors, horse, Lewispiet Rv. 407, 533, Laurel, Lev Mining & Maintactium; Co. J. Sev ii Banton, prest. W. Addams, seey. Hyvel Davies, trens, and mgr., Cap. 4k, 800,000. Lab. Tounc., 50,000 tous, steam, horse, washer. Life 13x, 408. Livermore McLean, Wm. Herron, et ap. 810,000. Hicks. Open pit, 200 tons, horse, 13, 549, Metalone Carter, Wincheser & Co., Kisco, Open not hand Ry 499. Olno McHenry Coa't o W. V. Onnean, prest and mat. C. W. I (vlor, seev. G. 1. McHenry, treas. Cap. stk., 846,000, McHenry, Sope, 12,000 lons, hand. Robert Duncan, supl. Melboury Hy 1996 Williams Goal Co., J. S. Williams, prest, A. J. Williams, seey. J. W. Cooper, Peas. S. milel James, milt. and Supt. Cap. 8th 80,000. W. Blains. Stope, 18,000 tons, steam. Juckson, Joseph Harrison and others, local - Cap \$5,000. Ball Branch - 5,000 tons, hand Micke Ry, Harris, 300 Madisonville Hopkins, John Jackson, Joeal J., Island., Slope, 200 tons, horse 15x 40s Remerke Coal to - Contail Remerke - prest - Inkomain Bailey seeve, theas and u.g. - Celestik Stoepool Remerke. | Shaff, 175,000 tens - steam, an - Louis Feger, supt Manche des Cay 4 1, Garrard local Open jet, Sectors, hand By London tos. Merces Stat., Multienters, Wm. II, Dovey, Dovey's Kentucky, Shaft, "5000 tons, steam 7 coke overs," Wm. Wassey's spill Ry em. Montreetto 1 J. Alexander local Smoking Radge Trained, 400 fors, hand Wavin Ry, Mill Springs 201 Union Watkins & Dunnagan Cap \$10,000 Watkins, 2,000 tons, steam, Morganheld Ey 536 Butler Aberdeen Coal & Mining Co. J. P. Aspley, prest. J. D. Render, sery and treas. James I. Phillips, mgr. and supt. Cap. sik. 875000. Aberdeen. Tunnel, 17:851 tons. Morgantown Ev. 533, 2080 J. M. Lorgy docal., Hope. Open jet, hand O, P. Wade clocal . Tunnel hand, Morton's 6-ap Hopkins St. Bernard Coul Co. Lathington, Kv. 1. G. Sebree, prest, John B. Atkinson v. prest, and trens. Geo. U. Atkinson, seev. Cap. 8tk, 81,000,000. Diamond. Junnel, 10,000 tons. steam. breaker, washer. 13. 108. Whitey Jelher God Winnig Co., 5 Chron st. T. J. Davis, prest., T. C. Richmond, seev. Charles Duclow, treas Cap. stk, 800,000. Jelher. Slope horse developing. Mountain Ash Ry 2 Bock Castle, E. W. & E. D. Bansel (local). Tunnel, boctons, hand, Mt. Vetnon Ex aux Muhlenberg Mid River Coal, Coke & Dron Co., Isaac Liften, prest., John C. Gordon, v.-prest., W.C. S. Anderson, seey., treas, and supt., Cap. 8th, 8500,000., Mad River, (Slope, 100,000 tons), steam. Mind Biver Carter Lexington & Carter County Maning Co., Lexington, Kv., 40 Short st. R. H. Continey, prest, and treas., J. L. Vange, Seev., F. S. Cully, Ingr., and Supt. Cap. 8th, 800,000. Music. Tunnel. 4 (52) tons. Steam, Div. Lan Hopkins, T. P. Barnes, local . Cap 85,000. Drift, 200 tons, horse Tey. 408. W. C. Custer, Cap. 8100; Brinkley Slope, 500 tons, hand New Chapel Hancock, T. D. Lewis, local . Tunnel, actons, hand Ry. Falcon Station 407. Obve Bill Carter Jaryis Branch Coal Mining Co., John Jaryis, prest, and supt., D. Jaryis, serv., Robert Jaryis, Iteas James S. Jaryis, mgr., Cap. 84,000, Jaryis Branch, Thinnel, 12,000 fons, hand. Ry., 400. Owenslago Daviess, R. S. Patrick, Cap. \$4,000. Shatt, 2,400 tons, horse Ry, 407, 408, 549 Paintsville. Johnson E. W. Fairchild, Cap. \$25,000, Lick Spring, Tunnel, hand. Damel Hitchcock, stpt. RV, 587 G. W. George (local). Cap 8500 - Lunnel, hand,

22 E. F. & H. S. Howes, Cap. Suoroo, Howes, Junnel, 4000 fons, hand. Win Castle supt. Mullienberg, Gen. D. C. Buell, Cap. 800000, Ardric. Junnel, shaft, 20000 fons, horse. Thomas Hull, 8 opt.

Sometset for 407

# COAL-BITUMINOUS (CONTINUED)

	CVATA JITTO MELICOCO ( MARIO 2017)
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, Annual Output in Tons of 2,000 Pounds, Kind of Power Used, Coal Bireakers, Washers, Core Ovens, and Name of Mine Superintendent.
TOWN AND COUNTY.	
Patesville Hancock Ry, Cloverport 76, 407	Samuel Flowers (local), Tunnel; hand,
Peach Orchard, Lawrence Ry, 583, 587.	Great Western Mining & Manutacturing Co., Ashland, Ky. B. D. Harris, prest.; John Carlisle, seey, and treas., W.S. Howell, gen. ngr. Cap. stk. \$900,000. Elizabeth, Annie. Stope, 125,000 tons; steam, compressed arr. Courad Frank, supt.
	Fulton Booze. Ratliff Creek. Tunnel; hand. Milton McGlofan, supt.
	Mitchell Coal & Mining Co. William Mitchell, prest.; W. H. Strossman, secy, and treas.; W. Welsh, gen. mgr. and supt. Cap. 8tk. \$50,000. Mitchell. Tunnel.
Pineville Bell Ry, 408.	Pine Mountain Iron Co. Cap. 8tk. \$100,000. Strait Creek, West Pineville. Tunnel, 1,500 tons; steam: breaker, 200 coke ovens.
	Southern Land Improvement Co. J. C. Howard, prest.: Jesse B. Butin, seey.; J. G. Taylor, treas.; J. D. Bake, mgr. Cap. stk. 85,000,000. Tratton. Open pit, 75,000 tons; horse, electricity; 100 coke ovens capacity 45,000 tons. D. K. Koger, supt.
Pittsburg Laurel Ry. 408.	Laurel Coal Co., Geo, Givens, prest, and treas.; J. W. Bastin, seey, and supt. Cap. stk. \$80,000. Laure Slope. 400,000 tons; horse.
	Pitman Coal Co. W. A. Pugh, prest., J. M. Bailey, seey., S. V. Rowland, treas, and mgr. Cap. 8tk, \$100,000. Pitman. Slope. Win, M. Neil, supt.
	W. A. Pugli. Cap. \$6,000. Etna. Open pit, 12,000 tons; horse. I. H. Collins, supt.
	Union Coal Co. Thompson Jeffrey, prest, mgr. and supt.; John Jeffrey, seey, and treas. Cap. stk. \$5,000 Union. Tunnel, 22,000 tons; horse,
	Victoria Coal Co., W. M. Baxter, prest.; J. E. Baxter, seey, and mgr.; J. J. Hughes, treas. Cap. \$12,000 Victoria. Slope, 32,000 tons; horse. J. E. Carnell, supt.
Pleasant View . Whitley Ry, 408.	Central Jellico Coal Co., J. P. Mahan, prest., J. W. Siler, secy, and treas.; John Phillips, mgr. and supt. Cap. stk. 824,000. Central Jellico. Open pit. 100,000 tons; horse.
	Mary L. Hatcher (local). Rock Port. Tunnel, 60 tons, hand.
"	David Sammons (local). Open pit, hand,
	J. H. Spradlin & Co. docab. Cap. \$25,000. Big Sandy. Hand.
Providence Webster Rv 408.	Providence Coal Co. E. B. Hayden, prest.; W. L. Barnes, seey., treas., mgr, and supt. Cap. 8tk. \$100,000. Providence. Slope, shaft, 32,000 tons; steam.
Rockhouse , Letcher Ry, Wasioto 408.	James M. Collins & Co. James M. Collins, prest.; W. H. Nickels, seey., treas, and mgr. Cap. \$20,000 (Developing.)
Rothwell, Menifee Ry, 363,	W. A. Allen (local). Hathaway. Tunnel, 400 tons, hand. Louis Beer, supt.
Rv. 2980.	J. E. Arnold (local). Slope, drift; hand.
Rush Ry, 24.	Ashland Coal & Iron Railway Co., Ashland, Ky. Douglas Putnam jr., prest, and gen, mgr., Robert Peebles, seey, and treas., E. C. Means, supt. Cap. 8tk, \$1,500,000. Rush, Kilgore. Tunnel, 200,000 tons, horse, Jacob Schight, supt.
$\begin{array}{ccc} {\rm Sacramento} & {\rm McLam} \\ {\rm RV.} & {\rm South} & {\rm Carrolton} \\ {\rm 468} & \end{array}$	Andrew Bros., lessees (local). Sigramento. Shatt. steam.
St. Charles Hopkins Ry.499.	St. Bernard, Coal. Co., Earlington, Ky., E. G. Sebree, prest.; John B. Atkinson, vprest, and treas., Geo. C. Atkinson, seey. Cap. stk. \$1,000,000. St. Charles, Tunnel, 110,000 tons; steam; breaker, washer.
Salvetsville Magoffin Ry, Richardson 537.	
0.00	Isaac Bock and others (local). Cap. \$10,000. Tunnel, 6,000 tons, hand; breaker.
	Add, Marshall. Tunnel, water.
Sandy Hook Ellioft	Jasper Owens, Cap. \$5,000. Oakley Creek. Open pit; hand. John Watson (Jocal). Open, 30 tons, hand. Peter Smith, supt.
Ry, Morehead 499.	Henry Rowland (local) - Tunnel, 500 tons, horse,
Ry 408 See: Powell	Moses Morton (local). Glady. Open pit, hand.
Ry, Bowen 362	
Semiway McLean Ry, Rumsey 2980.	Russel Bates (docal). Cap. 8200. Bates. Slope, horse,  Jerry Vaneleve (docal). Cap. 8300. Boder. Slope, 200 tons, horse,
	R. W. Driskill (local). Cap. 8200. Tunnel, 500 tons, hand.
	M. Willis Jocal). Open pit, 400 tons, hand.
	John Henry Caudiff clocal). Caudiff. Tunnels, 169 tons, hand.
	J. W. Casteel (local). Cap. 855. Open pit. 800 lons: house.
	C. Whiteaker, Line Creek, Ky. Whiteaker, Tunnel, horse, breaker, washer, it coke overs. George

Pulaski C.C. Whiteaker, Line Creek, Ky. Whiteaker, Tunnel, horse, breaker, washer, 11 coke ovens. George Green, supl.

#### COAL-BITUMINOUS-(CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

S. Carrollton Muhlenburg. George W. Doss (local). Lewisburg. Open pif, 4,000 fons. horse

.Henderson T. Shinn & Bros. T. Shinn, prest, and mgr.; R. H. Shinn, seey, and treas. Cap. stk. Sto.co. Green River. Shaft, 64,000 tons, steam. Evan Reese, supt. Spottsville Ry. 407.

Spring Grove Union J. W. Hall (local), Slope, 750 tons; hand, Ry. Morgantield 409,

phens ""Elliott "Jesse Lyon (local), "Harican, Tunnel, horse, Ry, Willard 242. Stephens

Steubenville Wayne Steubenville Coal Co. M. H. Bohon, prest., Mrs. W. P. Jones, seev., J. H. Duncan, treas. Cap. 8tk, 866-000. Steubenville Open pit, hand, "John E. Bohon, mgt. and supt. Ry. 201.

A nion Barnaby & Son, Slope, 700 tons, hand, C. Barnaby jr., supt. Stateris Ry, 499, 533, 536,

Cumberland Coal Co., Nashvalle, Tenn. W. W. Smith, prest., Isaac Reese, seey, and treas, Cap. 8th, 8t50,000. Wardlaw, Slope, 150,000 tons, sfeam, J. C. Wardlaw, supt.

Sturgis Coal & Coke Co., Lousville, Ky., cor. Fourth and Main sts. 47 C. Mills, prest, Aco. H. Mecartney, seey, and ingr., Moses Schwartz, treas. Cap. 8th, 800,000. Sturgis. Shall, 150,000 fons, steam. Herbert H. Richards, Sup.

Treadway "Clay Keith & Co., Cap. \$7,000. High Nob. Tunnel, 2,000 fons, electricity, 700 coke ovens. J. B. Howard, supt. Ry, London #08.

st ..., Knott James M. Grisby (local). Open pit, hand, Ry, Jackson 362.

Walnut Grove. Pulaski Budie Caskey, Cap. 82,000. Tykins, Open pit, 200 fons, hard Ry, Enbank 612

Ward City Johnson, Preston's Price Jocaly. Tunnel, 500 tons, hand. Henry Price, supt Ry, Richardson 537.

Warfield Martin, Tug River Salf & Coal Co., local - Warfield - Open pat, horse - John Meade, supt By Peach Orchard 53

Webbyille . Lawrence J C Webb locals, Junnel, hand,

Ry. 242. West Liberty Mergan John L Henry Jocals. Open jet, hand

Ry. Moorehead Po.

West Louisville Daviess T. L. Hart, Cap. 819 Buck Washington Shart, 329 tons Torse By Owensboro 107, 40s.

J. P. O'Bryan (local). Cap shoot. Shatt, soctons horse. J. H. Stallings, sort

Wood Bros, & Flder, Cap, 86,000, Shaff, 2,000 tons, steam

crittenden, J. H. Tate clocal), Cap 81,000. Open pit, 500 fons, steam Weston 115,534

Whalen Daviess, H. C. Brown, locals, Slope, hand

Ry Shorts 549 Whitesburg Letcher, H. B. Branson, local ., Cap. 82,500. Open pit, sectors, band-

Ry Morton, Va. 408. Carter Bent's Coal Works local . Tonnel hand

Ry, 242 Eastern Kenfucky Railway Co., Greenup, Ky., H. W., Bates, 2en mag. Tost Creen. Tunnet. 24,000 tons

George Gibbs, supt.

Jacob Horton (local), Tunnel, horse, Whitley G. W. Sproule clocal). Open pit, 500 tons, hand Williamshure

Ry. 408.

J. Wilder clocal . Cap. \$1,000. Slope, open pit

Woodbune Whitley S B, Hart Jocals, Open pit, hand Ity, 405.

Velvington Dayless, Henry Creason, Cap. \$300. Slope, 4,800 fons, hand

## COAL CANNEL

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAFITAL STOCE, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT

Back Bone Ellioff, R. B. Leedy, local's, Tunnel, hand,

COUNTY

Ry Willand 242,

Booneville Owsley, H. B. Cawood, local . Tunnel, 30 tons, hand By 362

Daniel Reynolds & Simeon Reynolds (local). Cap \$1,000 Reynolds (1) fate, 100 bets (1) c

G. B. Beynolds, Open pit, 5,000 tons, hand

Town

Willard

Rv 407

#### COAL-CANNEL-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY. rwoT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

.Grayson D. A. Williams. Open pit; hand. Caneyville Ey. 499.

Cloverport Breckenridge Breckenridge Co., Ltd., Louisville, Ky., Room 62 Kentucky National Bank Bldg, Wm, Hopper, mgr. Cap. Rv. 76, 407. stk. §2,500,000. Breckenridge. Tunnel, 65,000 tons; horse. James Heron, supt.

Conkling P. Jett and others. J. P. Jett, prest, and supt., J. A. Wilson, s Cap. stk. 800,000, ind. cap. \$2,000 - Elwood Creek. Open: hand. seev.; Wm. Blake, treas.; L. Day, mgr. Ry, St. Helens 362,

Hopkins, J. P. Alexander (local). Trumel; hand, Dawson Ry. 499.

East Point Johnson W. L. Smith, Paintsyile, Ky. Cap. 850,900. Smith. Tunnel, 100,000 tons: hand. D. J. Smith, supt. Ry. Richardson 537

.Breathitt Charles Henry docab. Open pit; hand. Efkatawa Ry. 362.

Morgan, Win, M. Hensley docal). Open pit; hand, Ry. Rothwell 363.

Pulaski Barren Fork Mining & Coal Co., Lexington, Ky., 47 N. Mill st., J., T., Slade, prest.; W., Bright, seey, and treas, Cap. stk. \$130,000. Barren Fork. Dritt, 74,900 tons; air, hand. J. H. Holland, supt. Flat Rock Ry. 612.

Magoffin Reed & Stacy (local). Cap. \$8,000. Hand. Lewis Reed, supt. Ry, Torrent 362.

Leslie Peter Wilson (local), Cap. \$1,000. Beech Group. Open pit; hand; breaker. Bellen

Ry Pineville 408

McDowell. Floyd Wm, Henson and others docal). Cap. \$5,000. Open pit, hand. J. B. Treasure, supt. Ry Prestonburg 5.5

Manchester Clay Thomas J. Brown (local). Horse Creek. Tunnel, hand. Ry, London 408.

Mt. Carbon Johnson (P. O. Myrtle) Ry. Richardson 537. Johnson, Win, Richardson & Co., Paintsyille, Ky. (local). White House, Sandy River, Tunnel; horse, E. S. Thomas, supt.

Sandy River Cannel Coal Co., Chilheothe, Ohio, F. A. Stacey, prest, G. O. Richardson, seey, and mgr.: J. P. Dieter, treas. Cap. stk. \$20,000. Sandy River. Tunnel, 7,667 (ons., hand. G. R. Bickford, supt.

Carter Lexington & Carter County Mining Co., Lexington, Ky., 40 Short St. R. H. Courtney, prest, and treas; J. T. Vance, seey., F. S. Cully, mgr. and, supt. Cap. stk. \$00,000. Tinson. Tunnel, 6,500 tons. steam. Mt. Savage. By. 132 horse, hand.

Johnson Big Sandy Cannel Co. Deater, prest.; G. C. Richardson, seey.; Sandy. Open pit, horse. George Bigbart, mgr, and supt. Stacy, treas. Cap. stk. \$50,000. Big Myrtle Ry. 132, 537 se Cannel Coal Co., Ashland, Ky., J. H. Northup, prest., George C. Galan, seey. Cap. stk. White House, Tunnel, 300,000 tons, hand, G. H. Thomas, supt. White House

Paintsville . . Ry. 537, 746. Johnson, N. T. Brumett Jocab., Cap. \$3,009. Tunnel, slope, 75 tons., hand.

John C. Cellayo Cannel Coal Co. Henry Ort, prest., John C. Cellayo, seey. E. H. Martin, treas. Cap. stk. s20,000. Paintsville. Tunnel, 1,000 tons

James Dills (local). Cap, 83,000. Middy Branch. Tunnet, 600 fors; hand.

A. C. C. Mayo & Co., Cap \$10,000. Fletcher. Open pit, 500 tons, hand. A. S. Leshe, supt.

D. Pelphrey & Son. Barnett's Creek, Tunnet, hand, breaker, J. V. Adams, supt.

Pike Monarch Coal & Coke Co., Frankfort, Ky. T. W. Hardin, prest., W. A. Wilson, seey.; D. S. McIntyre, treas., Win, T. Love, gen. mgr., Cap. 8tk [8500,000]. Monarch. Shaft Ry 121

Floyd T Jefferson Patton docal). Cap. 8300. Prestonsburg. Open, 300 tons. hand, horse, Prestonslane Ry, Richardson 557

Rockhouse Letcher, Peter Adkins (local), Cap. \$2,000. Tunnel (developing).

Ry. Wasioto 408. Magoffin Salversville . Adam Allen, Calvin, Open pit, hand,

Ry Richardson 55. Buck & Co. Cap. \$15,900. Open pit, 50,000 tons, steam, washer, 12 coke ovens. R. W. Row, supt

Samuel Carpenter, Tunnel, 2,200 tons: hand,

Bergamur Hammond, Coal Branch. Tunnel, 600 tons.

Elliott M. P. Skaggs (local). Buck Fork, Tunnel, hand. Sandy Hook

Ry, Morehead 499.

"Hameock Breckenridge Coal Co., Etd., Cloverport, Ky. Wilham Hooper, mgr., O. Gregory, seey. Cap. 8tk. \$75,000, rt.76, 407. herekenridge. Open pit, 24,000 tons. horse, steam. James Heron, supt. Victoria By Cloverport 76, 407.

Morgan, J. H. Cole (local). Rush Branch, Calvin, Tunnel, hand, West Laborty Ry, Morchead, 499.

E. B. Perry, local . Elk Fork Open pit, an tons, hand,

Whiteshitz Weiss to a Beech Grove Webster Mary Hardin (local) Shatt, hard,

### FIRE CLAY

Location of Mine or Bank, Railways, Water Routes, and Shipping Point. Town 450 COUNTY

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS CAPITAL STOCK NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Glenn (nota P.O.). Lewis Kentucky Fire Brick Co., Portsmouth, Ohio. George Davis, ptest.; L. C. Furley, treas. Cap. stk. pd. up Ry, 154. S100,000. Tunnel. Open pit, 3,000 tons; hand.

#### IRON

LOCATION OF MINE. RATEWAYS WATER ROPERS AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Grand Rivets Livingston Grand Rivets Mining Co., Boston, Wass., 64 Federal st., Arctas Blood, prest., Tred Joy, seeg., A. H. Breed, treas, Thomas W. Lawson, gen. negr., Cap, 8th, 84, 50,000. Brown from 0.0. Open cut and pit, hand, bross, 2 furnieses, Joseph W. Searle, supd.

#### $S \times LT$

LOCATION OF MINE OR WILL, RAILWAYS, WATER ROUTES AND SHIPPING POINT

Corrects

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUFERINTENDENT.

Brandenburg Ry. 146.

Dig Chity. Ry. 400.

Langtord

Tows

Mende Mende County Salt Works. Alongo Moremen, propr. Time, 7,500 ats. steam,

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS WATER GOUTES AND SHIPPING FOINT.

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OR QUARRY, KIND OF FIONE, KIND OF MINE OR QUARRY ANNUAL OUTPUT IN TORS OF 2200 POUNDS, KIND OF POWER USED, STONE OR MARKET MILES, LIMERIESS AND CALACULY, I TO , AND NAME OF MINE SUITIGINIENDENT

Grayson, Olino Bitimunous, Rock, Co., Cimennat., O., 29 W., Fontth St., H. D. Finerson, prest. C. L. McCea, sorv., Cap 8th 8500,000. Bitimunous rock. Open pd. steam.

Garneld IO. 407.

Breekentidge Breekentidge Vsphalt co., Louisville, Kv., Boom te Norton Eld. — Marshall Morras, prest and m.g. – B. — M. Rivers, seey, and treas — Cap sik \$100,000 — Edunouto is sandstone. Open pd., 10,000 fons Warren, J. R. Caden & Co., Lyansyiffe, Ind., 411-425 F. Obio St., Oolate limeston, Speam, and

Hadley Ry. 2980

Bryungton Breekenridge Morris Bennett Stone Co., Lon Sydle, Kv., Room Je Notton 1932 - Watslaff Morris, mgt - 1 mestor e Rv 467 - 20,000 tons (band mill, Ed. Bennett, supt.)

Rock Castle, M. N. Langford, Bluestone, Steam

Ev. 300 Morebead By Rockville top.

Rowan Kentucky Blue Stone Co., George M. Pierce, prest. F. S. Mac't a solve and treas. Jod at L. Kaapp, max. Cap. 8tk, 8125000. Free linestone. Open pd. 25000 tons, steam, mill., Winslow S. Martin, supt.

Muellersville, Koek Castle, Bactar Vista Prec. Stone, Works, Chemnatt, Olno, as W. Pront st. P. O. Boyber, Capes now. Rock P. O. and Ry, Lang (castle, free limestone, 15,000 tons, steam, W) bert Newhall, supt.

8 Catrollton, Muhlenburg John Oman, Nashville, Ienn., 2008. High st. (14), Szore various River, small one of the part of successful and matthematics. It 8 (4), 280.

SEE ALSO SUPPLEMENTARY LIST

# LOUISIANA

#### $\simeq VLT$

LOCATION OF MINE OR WELL, RAILWAYS, WATER ROUTES AND SHIFTING POINT,

COUNTY

Town

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALIFIED STOCK NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TORS OF 20 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT

New Hieria Post in New v. Heria, Salt. Co., New York, City., John I., Welsh, prest., J., Kock, S. (v., J. I., Nest., trees., J. I., Met alla, mgr., and supt., Cap. stk. 8,00,000., Avery., Shatts, 50,000 tons. ste dii. By. 692.

# MAINE

#### MHC<sup>1</sup>A

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. Zwof AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF PROJUCT, KIND OF MINE ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Pans PA 990 Oxford Mount Mica Co., Bangor, Me. A. C. Hamlin, prest, and mgr.; H. M. Fairbanks, seey.; J. S. Jenness, treas. Mount Mica. Open plt; hand,

#### SLATE

LOCATION OF QUARRY. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, Name of Quarry, Kind of Slate, Kind of Quarry, Annual Output in Tons of 2,000 Pounds, KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.

Brownyille - Piscataquis - Merrill Brownyille Slate Co., T. W. Merrill, prest., S. P. Johnson, seey, and treas.; Arthur Merrill, mgr. - Ry. 46, 96, and supt. Cap. stk. \$240,000. Merrill, Brownyille. Open pit, 5,000 tons, steam. "Piscataquis Monson Lakeside Slate Co., Portland, Mc., 185 Middle 8t. M. P. Frank, prest.; P. J. Larrabee, seey, and treas., M. T. Phillips, mgr. and supt. Cap. 8tk, §50,000. Monson Lakeside. Open pit; steam.

Monson Ry. 414. Shirley Piscatriqui-P. O. and Ry. Blan-chard 6. Piscatriquis

Deslauriers Slate Co., Blanchard, Me., A. Deslauriers, prest.; H. M. Heath, seey., F. W. Eaton, treas,, mgr, and supt. Cap. stk. \$150,000, Moosehead. Open pd. 1,000 tons; steam.

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT. COUNTY. Tows AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMEBILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

AddisonPointWashington Pleasant River Granite Co. of Maine, Plukadelphia, Pa., 435, Drevel Bidg, J. Thompson Baker, prest., Robert F. Willson, seey.; Phillip F. Raker, treas; John L. Dabot, mgr, and supt. Cap. 8tk, \$250,000. Pleasant River, granite. Open pit, 250 tons, 8team, mill.

Athens Ry, Skowbegan 414.

Somerset, T. N. Joaquin, Joaquin, granite. Hand.

Auburn Ry, 290, 414.

Kennebeck, F. E. Garland, Granite, Open pit; horse and hand,

Augusta Ry. 414.

York, Gordon & Michiel, Cap. 83,000, Granifel, Open pit, 3,000 tons; hand,

Biddeford. Rv. West Biddeford 71

Hancock, W. P. Bisset, Orland, gramte, 3,200 tons, horse,

Blue Hill Rv. 31

Cant. J. T. Miller, Granite, Open pit, hand,

White Granite Co., New York City, 547 W. Fouricenth 81 A. G. White, prest.: J. E. Dutton, seey, and Itens.; A. Le Poidevin, v.-prest, and mgr.—Cap. 8tk, \$12,000. Blue Hill, granite. Steam.

Bridgton By, 77 Cumberland, Allen Bros, Granife, Slope, hand, mill,

Lincoln, South Bristol Gramite Quarry. South Bristol, gramite, 3,000 tons, horse, mill., E. P. Gamag, supt.

Bristol Lincoln (P. O. South, Bristol) Ry. 31.

Callais Washington Douglas Bros., 8t. Stephen, New Brunswick, Gramite, 4,000 tons, hand, mills, W. S. A. Douglas, supt BA 31, 96, 325.

Mame Red Granite Co., Mam st. E. B. Harvey, prest. O. S. Tarbox, seev. and mgr., C. B. Newton, press, Cap. 8tk, \$30,000. Beaver Lake, granite. Open pit, 1,400 tons. water, steam, mills. Sometset Samuel L. Fowler, Cap. 83,000. Fowler, granute. Open pit, 400 tons; hand,

Camaan Somet Ry, Skowliegan 414

Clark's Island (Knoy Clark's Island Granife Works, New York City, 265 Broadway, J. M. Snow, 1021, Clark's Island, Ry, 31 granute. Open pit, 1,000,000 tons, steam; mill, W. T. Closson, supt.

Crowleys Junction. Androscoggin (P. O. Lewiston) Ry J. P. & James Murphy, Lewiston, Me., tz. Bates st., Cap. 8tk, \$16,000, indv.cap, 88,000. Granate. Open put, 21,000 tons, steam, malls. J. P. Marphy, supt.

290, 440, P. G. Merrill. Granite. 10,000 tons; horse.

Sullivan Green & Co. North Side. Open pit, 2,000 tons, hand, mill. Sullivan Green, supt.

H. M. Thayer, Green's Landing, Mc. Cap, \$5,000. Granite. Open, hand.

Flox, Warren & Co., Green's Landing, Me. Cap. \$2000. Green Head and Crotch Island. Granite, 3,000 tons, steam, null. Frank S Warren, supt.

White Granite Co., New York City, 547 W. Fourteeuth St. N. G. White, prest., J. E. Dutton, seey, and treas., A. Le Poidevin, v.-prest, and mgr. Cap. 84k, 812000 - Green Island, granite. Steam.

Suffiyan Rv. .a.,

STONI	E, MARBLE, GRANITE AND ONYX (CONTINUED)
LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT, TOWN AND COUNTY.	NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TONS OF 2,00 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMBELINS AND CAIACITY, ETC., AND NAME OF MINE SUPERINTENDENT.
East Blue Hill - Hancock	'
Ry, 31, Franklin, Hancock	T. M. Blaisdell, East Franklin, Me. Cap. 82,000. Granite. 4,000 tons; horse,
Ry. 31.	W. B. Blatsdell. Cap. 820,000. Cape Elen. granite. Shatt and slope, 6,000 tons, horse,
	Frank Bradbuty, Cap. 85,000. Springer Hill, granite. Open pit, 3,000 fors, horse,
	John P, Gordon, Cap. 80,000. Cordon's grante. 10,000 tons. horse and hand. Fred. A. Gordon, supt. Joseph H, West. Tanuton, grante. 2,500 tons. horse. D. E. Smith, supt.
Gorham Cumberland Ry, 598.	Gardiner D. Weeks, Cap. 82,000. Gorham, granite and marble. Malls.
	James Clegg. Moose Island, granite. 2,000 tons, hand,
Hallowell, Kennebee Ry, 31, 411.	Hallowell Central Gramte Co., Cap. 8tk, 875,000. Hallowell, gramte, 5,000 tons, Steam, Joseph Arche, 8upt.
	Hallowell Grainte Works – J. F. Fodwell, prest., L. D. Merchant, seey., U. W. Lilden, treas., J. P. Hant, nigr. Cap. (3k, §20000) – Hallowell, grainte. Slope and open pit, 15,000 fors, steam. B. J. Richards, supt.
Jay P. O. and Ry. North Jay 414.	F. L. Billings, North day, Mc. Cap. Saoo. North day, granife - Open pit, 15000 tons, steam,
Jonesboro Washington Ry, 31,	N. W. Fish, Cap. \$1.500. Gramte, paying. Horse, mill
Jonesport Washington Ry, 31.	Jonesport Red Granite Co. G. F. Mansfield, prest. H. H. Mansfield, seev. D. J. Sawyer, treas., W. O. Sawyer, mgr., Cap. 8tk, 850,000. Jonesport, red granite. Steam.
Ry. 31.	F. H. Fernald, Camden, Me. Beach Greve, grantle, 222 fers, steam
	Machias Porf Granife Co., F. L. Shaw, prest., N. S. Lobey, seev. A. J. Harmon, treas., W. R. Pattangallingt. Cap. 8tk. 89,000. Granife. Slope, steam. Benchmin Shaftick it., supt.
Marshifield Washington P. O and Ry. Machias of.	Levi B. Gefehell, Machius, Me. Marshheld, granite. Open pit. 90 tons, hand,
Millbridge Washington Ry, st.	Millbridge Paving Co. Jowel Gary, prest., J. C. Harvey, seev and treas., A. I. Fishett, mgt, and supt. Cap. 8tk, 84,000. White Rock, 8tone. Open pd. 2500 tons, barad, mill
	Brown & Freeman, J. P. Brown, mgr., Cap. Sarco. Brown & Freeman, grants. Slope, to,coc tons, horse and hand. C. R. Joy, supl
	John J. Carr., Cap 820,000 Carr.s, grands paying blocks. Open p.t. 4 oor tons, horse,
	Graves Bros. Cap. stk. 8,000. Grande. Open pd. 2,000 (ons. band. mill.)  Higgins & Graham. Cap. 8,000. Higgins & Graham, paying, tooloctors, horse. J. M. Higgins, supt.
	Sayage & Moore Cap 85,000 Brown's, 21 and Open p.d. Locotons hopse and band. R. Woore, stad
	Standard Grainte Co. Somes Sound, grainte. 25,000 tons, steam
	Whiting & Allen, Granite, 8,000 tons, O. Vlen, supt
Norridgework Somersel By, 683.	Dodlin Granife Co., Waterville, Me., Win, M., Aver, prest., F. J., Wesser, S. S., Sangs, Iteas, and mgr., Cap. 8tk, 850,000. Dodlin Hall, granife. Open pil, Caportons. steam and hand.
N Varmouth Cumberland Rv. 290, 414	Knight, supt.
Ry., 290.	L. L. Howard it. Pike's Hill, grainte - Open pit - hand
Oxford Oxford	J. E. Long, 30 Pleasant St. Cap 85000. Longacte, granife. Open pit hand J. P. X James Murphy, Lew Ston, Mc Cap 8th 850000, and very, 88000. Gran to Open pit, 11000
Ry, 20, 40 Red Beach - Washington	tons, steam; initis [J. P. Marphy, supt.]  Manne Red Granute (co., tradas, Mer. Manne st. I. B. Harvey prest), O. S. Larboy, seev and mar- C. H. Newton, trans. Cap. 8th, 8 80000 [Red Beach gradule Sooper Lieo tons "vater and strain units."]
Ry, st.  Rockland Knov Ry, st.	Booth Bros & Hurricane Isle Granite Co., New York City, no Bank St. Win. Booth, prest., J. Donaldson, seev., John Booth, treas., W.S. White, mgr. and sind. Gate Stk. \$250000. Hurricane Isle, granife
	Open pd. 55000 forus, steam, mal's  Sprince Head Gramfie Co., IV Water st., T. E. Harley, prest, and treas, Win, P. Harley, mgt., Cap. 8th,  855000. Sprince Head, Innestone. Slope, 3000 forus, steam, kiln, agondarks.
Saint George Knox P O Rockland (Ry. 3),	Booth Bros & Harricane Isle Granife Co., New York early, 69 Bank st., Win, Booth, prest. J. Dor, doson sery John Booth, treas, and mgt. cap. 84k, 8250,000. Long Cove, grainfe. Open ptf. 25,000 tons steam, mills. W. 8 White, supl.
	Robinson & Gilchrist: Cap. 815,000 Fagle, granite Open pit, 700 tons (horse
South Thomaston, Knox Ry. 4.	H. P. Babb. Babb's, grande. Open pd., horse
S Turner, Androscogen	N, C, Bassiek & Sons, Cap. 81,500. Bassiek, grainte. Open pit, 5,000 tons, horse $N, C, Bassiek s. pt.$ Win, D, Barrell. Jocal Poplar Hill grainte. Stope, hand; mill.
Ry, Buckfield 509,	Harris Hamas Watsoffee Watter to the control of the

Hancock, Hooper's Harvey, West Sullivan, Mc., P. O. Rox Pt., Granife. Open pat 5 occious 2, 186

## STONE, MARBLE, GRANITE AND ONYX -(CONTINUED)

LOCATION OF MINE OR QUARRY, KAILWAYS, WATER ROUTES AND SHIPFING POINT. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILNS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDERY.

Sullivan (Continuo	$_{d,\beta}^{\rm Hancock}$	C. A. Stimson. Cap. \$40,000. Stimson, gramte. Open pit, 500,000 tons; steam, horse; mill.
Swans Island, Ry, 31,	Hancock	Goss & Small (local), Granite, Slope, 14,000 tons; steam,
Vinal Haven Ry, 31,	Knox	Booth Bros, & Hurricane Isle Granife Co., New York City, 60 Bank 8t. Win, Booth, prest.; John Donahlson, seey, and mgr.; John Booth, treas. Cap. stk. \$250,000. State Point, granife. Open pit, 25,000 fors; steam; mills. W. S. Whife, supt.
**	**	Crown Hill Granite Works, J. P. Armbrust, mgr. Cap. \$20,000. Crown Hill, granite. Open pit, 16,000 tons; horse. Chas, Grant, supt.
**	**	Geo, Smith. Cap. \$3,000. Diamond Rock, granite. Shaft, open pit, 48,000 tons; horse; mill.
Waldoboro Ry, 370,	Lmcoln	Waldoboro Granite Co. W. B. Ladwig, prest.; E. T. Hodge, seey., treas, and supt. Cap. 8tk, \$9,600, Waldoboro, granite. Slope, 3,000 tons, hand.

Ry, 570. Waldoboro, granite. Stope, 3,000 tons, hand.
Wayne Kennebee J. Frank Gordon. Cap. \$3,000. Wayne, granite. Open pit, 150 tons, hand.
Ry. North Leeds 44.

West sullivan. Rancock Alexander Taylor & Son. Hopewell, granite. Open pit, 15,000 tons, horse, hand, mill. By, Frenchman's Bay 31.

Whitefield Lincoln E. C. Jewett, Cap. \$3,000, Whitefield, granite. Open pit, 500 tons; horse; mill. Ry. Gardiner 444.

Yarmouthville, Cumberl'd Horace G. Ross. Cap. \$3,000. Granite, 20,000 tons. horse, hand, mill. Ry. 31, 290.

SEE ALSO SUPPLEMENTARY LIST

# MARYLAND

## COAL-BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, annual Output in Tons of 2,000 Pounds, Kind of Power Used, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Town AND	COUNTY.	
Bittinger Ry, W. Salr 42,		Michael Segeer (heal). Cap. \$500. Glade Run. Open pit, 300 (ons. hand.
Bloomington Ry, 42.	Garrett	Andrew Mullen (local). Tunnel, 400 tons, hand,
Friendsville Ry, 42.	Garrett	Benjamin F. Friend. Tunnel, 300 tons, hand.
	**	E. M. Friend (local). Copper Spring. Slope, 42 tons, hand.
Frostburg Ry. 200.	Allegany	Barton & Georges Creek Valley Coal Co., Baltimore, Md., Cand. Chamber of Commerce - A. Crawford Black, prest - John Wilson, seev, and treas., Owen Hitchius, mgr - Carlos - 300,000 tons
**	**	Big Vein Coal Co, of West Virginia, Baltimore, Md., 2(8), Gay st., Jacob H. Taylor, prest. Thos. W. Hoopet, seeg., Oliver F. Lantz, Ireas., James Little, high and supt. Cap. 8th, 8500000. Big Vein, Tunnel, Jo. 36 fors, steam.
	**	Borden Mining Co., New York City, 70 and 71 West St. (L. W. Lovell, prest., Chas. A. Greene, freas, Cap., 8tk, 8240,000. [Bowery, Slope and drift, 357,500 tons (steam and horse   D. Armstrong, resident agr.)
-		Consolidated Coal Co., Baltimore, Md., 4) South st. Charles F. Mayer, prest. [1] K. Stoart, seey and treas Ceem Nos. 1, 2, 5, 3, 4 and 5. Dritts and slopes, 1,000,000 forts, steam, air and horse. Beverly S. Ran- dolph, supt.
		J. B. Hansel Jocal - Cap. 81,500. Open pit, 200 fons - horse
		Finon Mining Co., Baltimore, Md., Chamber of Commetee. Llovid Lowndes, prest. A. I. Bart, seev. and Items., John Sheridan, mgr., Cap. stk. 8,00,000. Union. Slope, physicions. steam and horse. Hatti- son Brown, supt.
Grantsville Ry, W. Sal 42.		Daniel Baker docal , Caselman, Tonnel, toctons, hand
	**	Baker Mining Co., Samuel Baker, prest. J. C. Getty, seev., O. L. Guagley, treas., L. Kuntz, mar., Cap. stk. 810,000., Baker., Open pit, 10,000 tons, hand.
		Aaron Beachey, local — Cap. 84,000. Beachey. Tunnel, 05,000 tons, hand
**		Lewis Hackman Jocal Cap 810,000. Hackman Open pil, 1,200 tons, Jian c
**		Levi Kansinger [local]   Tunnel for tons [hand]
	**	Andrew J. Stanton clocal. Cap. 8500. Open pit, Lone tons, hand
	**	W. T. Stanton, W. I. Stanton, prest., J. C. Getty, seev. A. L. Gnagee, treas. Peter He dev. mgr., Cap., 8tk, 80,000. Stanton, Open pit, 1,000 fons. Tand.
Lonaconing Ry, 278.	Allegany	American Coal Co., New York, City, J. Broadway, W. Die I. Wallerdon, prest. Solney Wantringham, y prest. Goo. W. Bowlly, seey, and treas. Cap. six 81,700,000. Jackson and Caledonia. Draft, 504,000. tons, steam and horse. John II. Parrott, supt.
**		George's Creek Coal & Iron Co. Baltimore, Md., 29 and 31 Chamber of Commerce. Julian J. Mexander, prest, and ingr. Chas W. Julier, seey, and treas. Cap. 8th 8250,000. Tunnel, those fons, horse and steam. B.A. Somerville, Supt.
**	**	Maryland Coal Co, of Allegany County, New York City, 6 Brood vay. J. P. Knapp, prest. J. W. Love, Edge, vprest. H. B. Keilham, frems. Cap. sith. 84,500,000. New Deffineld, Patton, Kungsland and Appleton, 400,000 tons, gravity and steam. F. J. Brackett, supl.
		New Central Coul Co., New York City, I Broadway. Henry S. Little, prest., Walcolin Bayter, v-prest, and seey. Runis Bladgett, treas. Cap. 8th 85,000,000. Koent. Slope, Logout lons, Steam. Duncan Suelant, supt.
Oakland Pv. 42	Garrett	Channeey Kammell. Open pit, 350 tons, hand

Ry. 42

. " — В. Г. Shaffer Jocal — Shields Run — Slope, Fectors: hand ., Garrett, William H. Frazee, local . Open pit, 5) tons, band Selbysport

Ry. 42. Western Port. Allegany A. J. Merrill, Cap. 86,250. Open pil, 8,360 fors. horse Ry. 42.

P. O and Ry. Pied mort, W.A. 12, 5a; W. Worley, seek and treas (ap. 8th 80,000 Franklin and Phornx Frankli

### FIRE CLAY

RAILWA	ATION OF OR BAN YS, WATE SHIPPING	E ROUTES,
Tows	AND	COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE OR BANK, ANNUAL OCTIVET IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT

...Allegany Savage Mountain Fire Brick Works, James G. Brown, seev. A. I. Gorsoch (ng). Cop stl. 820000, Savage Mountain, hreeclay. Slope, Boro Gors, horse and hand Prostburg Ry, 200.

TOWN

#### GOLD AND SHAVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Rockville Ry. 42.

"Montgomery Columbian Mining & Milling Co., Reading, Vt. L. E. Read, prest, and mgr.: H. S. Pearson, sectress. Cap. stk. \$500,000. Columbian gold. Shaft and open pit: free: 10 stamps (developing). H. S. Pearson, secv. and

#### TRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Beltsville Prince George's Charles E. Coffin, Muirkirk Furnace, Md. Wm. Shea, mgr. Cap. \$7,500. Twampudle, hematite. Open Ry. 42.

Catoctin Furnace Fred'k Catoctin Mount Iron Co. Thomas Gorsuch, prest., mgr, and supt.; Harry P. Gorsuch, seev.; Geo. Honek, treas. Iron ore. Open pit, 9,000 tons: steam and horse, Howard, G. W. Hobbs, Fossil ore, Open pit, 1,200 tons; hand,

Hanoverville Ry, 42,

J. White. Open pit, iron; hand,

Murkirk , Prince George | Fred Duvall, Cap. \$3,000, Tron ore, Open pit, 2,500 tons; horse; furnace, Ry, 42.

#### MINERAL PAINT

LOCATION OF MINE. BAHBAYS WATER BOTTES AND SHILPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK Name of Mine, Kind of Product, Kind of Mine, Annual Output in Tons of 2,000 Pounds, Kind OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND COUNTY

Howard Wilson & Bro. Paint ore. Open pit, 2,500 fons, horse, Hanoverville Rv. 42.

#### SILICA

LOCATION OF MINE
OR BANE.
RAILWAYS, WAIER ROUTES,
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Town COUNTY Dunkuk Calvert Ry, Upper Mariboro 44.

New York Siliette Co., New York City, 40 and 42 Broadway. J. E. Franks, prest., W. A. Weed, secy., trens, and mgr. Cap. 8th, 8100,000. Infusorial earth. Open pit, 3,000 tops, steam.

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OB QUARRY, EATEWAYS WATER ROUTES AND SHIPFING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OF QUARKY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUL IN TORS OF 2000 FOUNDS, KIND OF POWER USED, STONE OR MARBLE MILL: , LIMEBILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT

COUNTY Lows Baltimore

Baltimore, Henry Fox docals, 25 Jackson st., Cap, 810,000, Olive Wills, block. Open pit, 6,000 tons; horse,

Ry 17, 41, 42, 44, 528, 577, 804,

Rv. 42, 602

John G. Schwind, 28th Raymer av. Cap. \$65,000. Calvetton, gneiss, 40,000 tons, steam, John Boyling,

A. A. Wight, 7 N. Calvert st., Cap. 85,000. Stony Run, granute. Open pt. 11,000 tons, hand. Geo. Blucher.

tamigra Harttor P O Della, Pa. - Ry Cambria Station 41. Hartford, W. A. McLaughlin, Cambria, marble, Open pit, steam,

Capital View, Montgomery | Consolidated Quarry Co., Washington, D. C., Room 8 Sun Bidg. | H. P. Gilbert, prest. | J. C. Pratt, se | P.O. Alexandria, Va. | and treas. | Cap. stk, \$12000. | Capital View, Glen Lebo, grainte. | Slope. steam. nnll olevelopings.

Catochii Firmace, Fred'k, D. M. S. MacPherson, Flint, 2,000 tons

Ealtunore Beaver Dam Marble Co., Ballimore, Md., 704 Constitution st. High 84850n, prest., Edward C. Wilson, seey and freas. Cap. 8tk, \$100,000. Beaver Dam, marble. Open pit, 30,000 fors, steam, mills. Thos. McDonnell, supt.

Er soft City Howard Werner Bros., Jacob J., Werner, prest., Augustus Werner, seey., Frederick Werner, treas., Chas. J. Werner H., Ingr. Elbeott City, granife. Open pit, to,000 tons, horse, band.

Baltimore James J. McCann, Granife, Open pit, mill,

## STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PROCEIDED OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OF OTARIA, KIND OF STOKE, KIND OF MINE OR QUART, ANNIAL OUTTIT IS TOSS OF 2,000 Dygrips, KIND OF POWER USED, STOKE OF MARIEE MILES, LIMBELIES AND	
Town and	COUNTY.	CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT	
Granite Ry, Woodst		Wm. E. Cavey. Cap. 82,000. Gramte. Open pit, 1,000 tons; steam.	
**		Win, F. Weller, Cap. 825,000. Pickwick, granite. Open pit, to,000 tons, hand and steam; mill.	
**	**	Woodstock Granite Co., Baltimore, Md., 700 W. Pratt St. Win, A. Gault, prest., Matthew Gault, seey., treas, and mgr. Cap. stk, 80,000. Tox Rock, granite. Open pit, 5500 tors. steam., John J. Evans, supt.	
Greenwood Ry, Summer		H. E. Shimp. Gampowder, grainte. Open pit, 1,500 tons; hand. John Chenoworth, supt.	
Marmottsville Ry, 42.	Howard	Maryland Soapstone Co., Lamaqua, Pa., John Weldy, prest., K. G. Weldy, treas. Soapstone, 6,000 fons, water,	
New Windsor , Ry, 804.	Carroll	Michael McCaffrey, Myers, lamestone, 400 tons, hand,	
Port Deposit Ry, 563, 577.	Cecil	Meclenahan & Bro. Cap. 8100,000. Granite. Open pit, 72,000 tons, steam and horse	
	**	Port Deposit Granite Co., Canden, N. J., Richard I., Miller, prest. W. R. Bansey, seey. D. R. Patterson, trens., Bernamm Kepner, vprest., ingr. and supt. Cap. 8tk, 850,000. Port Deposit, granite. Open pot, steam and hand, in:th.	

SEE ALSO SUPPLEMENTARY LIST

Port Deposit Stone Co. of Hartfort Co. - Tranklin Laylor, prest - Otho Nowland, seev, and treas., - Thos, - W. Nowland, mgr. - Cap. stk. 80,000 - Gramfe - Horse - Win P. I wing, supt.

Town

# MASSACHUSETTS

### CORUNDUM

LOCATION OF MINE	
OR BANK.	
RAILWAYS, WATER ROUTES	٠,
AND SHIPPING POINT.	

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

AND Chester.. Ry. 70.

COUNTY.

"Hampden Hampden Emery & Corundum Co., H. L. Lucas, prest., N. A. Hatwood, treas. Cap. 8tk. \$500,000. Corundum. 4,200 tons; steam and water.

#### 1120X

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Hawtey RichmondFurn, Berkshire

Regard Ry Charles Forge Hill Mining Co., New York City, 35 Broadway. Win, J. Stoane, prest.; John F. Ruttmann, seey, and treas. Ferdmand S. Ruttmann, nigr. Cap. 84k, 550,000. Forge Hill Iron Mine, magnetic. Shart; steam. William Rogers, supt.

Rv. 70.

hmond Iron Works. George Church, prest.: P. S. Burrall, seey.: R. A. Burget, treas, and mgr. Cap. stk, \$54,000. Cone, Lute & Bacon, brown hematite. Incline, shaits, 40,000 tons, steam; furnace. Franklin Davis Sulphur Ore Co., New York City, 45 Wall st. H. J. Davis, prest, and mgr.; C. B. Stranahan, supt. 48 (1 Rv.) and treas. Cajo stk. \$15,000. Shalt, 45,000 tons, steam,

d' O. Davis Charlemont 261. W. Stockbridge Berkshire.

Hudson Iron Co., Hudson, N. Y., John E. Gillette, prest., S. R. Ramey, seey, and treas., S. C. McArthur, mgr. Channeey Leet Ore Mine, brown hematite. Shaft, 15,000 tons, steam. Chas. R. Van Buskirk,

State Line 70, 312,

Pomeroy Mining Co. Geo Church, prest.; Porter 8, Burrall, secy.; R. A. Burget, treas, and mgr. Cap. 8tk. \$5,000. Pomeroy Mine, hematite. Slope, 25,000 tons. steam.

ckbridge from Co. A. C. Collins, prest.; E. L. Baker, treas. Cap. stk. \$125,000. Leef Ore Bed, brown hematite. Shaft, 17,000 tons; steam. H. F. Thompson, supt.

#### MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Tisbuty . Dukes P. O and Ry North P. O. aus. Tisbury 31.

Vineyard Ocher Co., Boston, Mass., 26 India st., Cap. 88,000. Red ocher. Open pit, 50 tons, water,

#### SALT

LOCATION OF MINE OR WELL, RAILWAYS, WAFER ROUTES AND SHIPPING POINT.

Tows

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Partmouth Bristol By New Bedford, 540.

Corses

Nathaniel Howland (local). Buzzard's Bay, saft. 130 tons, hand and evaporation.

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMEBILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Town AND

Maddlesey, D. C. Harris, Cap. \$9,000. Marble and granite. Open pit, 1,000 tons, hand, mill.

Ry, 185, 540.

Essex Connolly Bros. Cap. \$5,000. Connolly, granife. Open pit, 900 tons; hand and steam.

P. O. and Ry. Beverly Farms 71. Distintree

"Nortolk Braintree Grainte Co., Roston, Mass., 7 Exchange place. H. S. McKay, prest., S. A. Lovejoy, seey, and treas. Cap. stk. 875,000. Braintree, grainte. [9,000 tons.] steam.

Prockland Franklin Procand Ry Shel-burne Falls 201 Franklin Wright, Lyons & Co., Springfield, Mass., 13 Cooley Block, Main st. Frank Irvin, mgr. G. G. Merrill Quarry, guess. Slope, 2500 tons, 850am

LOCATION OF OR QUART	MINE	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK
LOCATION OF OR QUARI KAILWAYS, WATE AND SHIPPING	R ROUTES POINT.	Name of Mine or Quarry, Kind of Stone, Kind of Mine or Quarry, annual Outfut in Tons of 2,000 Founds, Kind of Power Used, Stone or Marrel Mills, Limebilns and
Town AND	COUNTY.	Capacity, Etc., and Name of Mine Superintendent
Charlton' Ry, Webster	Worcester 70, 573.	Arthur F. Hiscox, Webster, Mass., P. O. Rox 513. Cap. 85,000. Rocky Hill Grantle Quarry, light and dark gray grantle. 350 tons, hand.
"		Lamson, Woodbury & Co. Cap. \$10,000. Gray granife. Open pd. 400 tons, horse and hand. J. L. Woodbury, supt.
Cheshire . Ry, 70.	Berkshure	A. S. Farnam & Bro. (Cap. 87,000). Limestone. Open pit, hand, kiln, 6,600 tons.
	Hampden	Hindson & Chester Gramte Co., Hindson, N. V., 609 Watren St., Frederick J., Colher, prest., Edwin C., Rowley, seey, and treas. Cap. stk. \$150,000. Dark gray grantle. Open pit and slope, steam, mill. W. Lang, supt.
Concord :	Middlesex	Jeremiah Shechan, Concord Junction, Mass. Gray stone. Open pit, hand, mill.
	lampseire sburg 504.	The Pike Manutacturing Co., Pike Station, N. H., F. B. Pike, prest and mgr., T. M. Tucker, seey, and treas. Cap. 8tk, 850,000. Pike, sandstone.
	Middlesex	Adolph J. Tetro, Nashna, N. H., 100 W. Hollis St. (4ap. 810,000). That Rock Hall Quarry, light grantle. Slope, 1776 tons, horse.
Erving Ry, Northin 120,	Franklin d. Fatins	J. F. Allen, Northfield, Mass. Guerss Open pit, 2001ons, hand
Fall River Ry, 540.	Bristol	Win, Beattle, Quarty 81. (ap. 845,000) (Grav grainte). Proceeding, Steam
**		C. H. Sents, Ltd. Second St. (cap 805,000). Merchants Mill Quarry, building stone. Open pit, 60,000 lons steam. Ferd Healy, supt.
Fitchburg Ry, 261, 540,	Woreester	4.itelifield Bros., 437 Main st.   Cap. 820,000   Granite   Slope, steam
		G. A. Tenell, 5 Hazel st. Rollstone Quarry, grande - Steam and borse
Glourester Ry. 71.	F.ssex	Win P. Barker, Quancy, Mass., 22 Greenfeat st., Gramite svenite Open pit, 12,000 fons, steam, G. W., Hayden, supt.
**		John G. Chiek it Stone. Open pit hard, mill
	**	Francis Reid, 5 High st., Cap. \$1,000. Granite 1,500 tons, horse
		Ezta Sherburne, C Langstord st., Granibe. Open pit, 5,000 fons. hand,
	**	James J. Vernon - Cap 8 0,000 - Gramb : 25,000 fons - steam - John Newall, supt
Hampden Ry, Chester	Hampden 70.	Rowley, seev, and treas (c.ap 8200,00). Blue granute: Open p.t. steam, mall. Win York, supt.
Holliston Ry. 70.	Middlesex	Damel Phipps [local strainfe Open pit, 2000 fors band
Lamesville Ry. Gloncest	Essex ter 71	Rowley & Co., 780 Washington's Cap Sion. Granite: Open pat, 1 sectors: Forse and hand
Lawrence By 71	Fssex	Locke & Jones, H. Carver St., Joeal. Cap. Stk. 82000. Tawrence Tedge Quarry, Stone. Open pd. 5000 tons, Steam. John Shen, supt.
Lynnfield Rv. 88,	Essex	Thomas R. Newhall, Wakeheld, Mass., P. Enton St., 1 (ed.) New Yell, mgt., Lynnfield, Grainte, Works, grainte. Open pit, hand. Thos. R. Newhall, Supt.
Medford Ry, 71.	Middlesex	Martin Hawkins, b Paris 8t (1.40, 8500) Fulton Quarty 8than Open pd. 25000 fors (hand "Jas 8 Hawkins, 800).
		Samuel B. Lay - Granite and trap - Open pit - horse and fate
Millford Ry, 70, 287, 3		Darling Bros., 42 U. Worcester st., Granate., Slope, 2,000 tons, fiorse., Frank A. Whapple, supt.
	**	Wilterd Pink Granute Co., Roston, Wiss., b., Devonslaresst, I. F. Woodburty, pt.st., Co. (A. Le. gliden-seec., A. W. Lames, (ters, and mar.) cap. sik., 8,270. M. for., Granty, pank 21 and . Open pd., Pagorithus steam. L. W. Ferry, supp.
		Peter Ross, P. O. Box 792. Arrange. Open pit. horse and hand
	**	T. N. Sherman, Cap. 88,000. Gramte. Open pit, 2000 fons. Lotse
**		Win M. Sherman, (ap. 8500) No Purchase Quarty, purk 21 and Copen pit, Conclors, Sheam, G. Il Sherman, Supt.
New Bedford Ry, 31, 540,	Bustol	Brownell & Mutkland, Liberty Hall Edg. 7 Cap. 85,000. Open p.t. 10,000 Ions, steam. Plane's 1. Discussiff.
		A. Rogers, 264 Pleasant st., local = 4 roestone Quarty = 2,000 form steam and
Not thibridge Ry, 508,	Mutusster	George M. Blanchard, Cap. 85,000. Grande, 5000 lons, 11 and
	**	John I. Lank, Providence, R. I., & Eveliange pl., Cap. 8,5500. Gran by Open p.t. forgottons, short
Peabody Ry 71.	Essex	Lewis Brown, 85 Lymmeld 8t. (local)   Cap. 85,000   Granite   Horse and hand
Petham I Ry. Ambers	Hampshire t <sub>4</sub> 71, 150	Shaw & Shaw, Amberst, Mass., P. O. Box 14. Grande - Open pit - hand
Quincy Ry 540.	Nortolk	Adams Granife Works, Pennist. Geo. M. McParlane, propi - Granife - Open pil - stean - in P
**		Badger Bros., 101 Willard St. Wigwam Quarry, granife. Steam
**		trang & Richards Grante Co., no Water st. James Craig, prest. John II. Richards, tto is. Col. st. \$20,000. Mount Ararat Quarty, dark, light and medium grante. Open pit, i. 75 tons. steam. in h
		Eleock & Son, 986) opeland st. J. H. Fleock, mgr. Granute. Speam, bull.

Contain Gran between Granutest Cap 8,000 Dark granute (Longtons steen

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINL OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF WINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF FOWER USED, STONE OR MARRIE MILLS, LIMBERLISS AND
Town	AND COUNT	CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.
Quiney $C_0$	Sorto	k Granite Railway Co., Boston, Mass., 166 Devonshire st Wm. B. sewall, prest.; J. Albert Sunpson, seey, and treas.; H. E. Sheldon, mgr Cap. stk. \$250,000. Granite. Open pit; steam and electricity W. B. Robertson, supt.
		C. H. Hardwick & Co. Granife. Steam; polishing mill.
	**	Jones & Desmond, Cap. \$5,000. Granite. Open ptt, 75,000 tons, steam; mill,
17	. "	McDonald & Turner, Granite, Open pit, Geo, McDonald, supt.
	**	McDonnell & Sons, Garfield st., P. O. Boy 85. Gramite. Open pit, 3,000 tons.
		Merry Mount Granite Co., 68 Water st., John C. Kapples, prest.; Patk, W., Driscoll, treas.; John Layers, mgr. and supt. Cap. stk. \$15,000. Merry Mount Quarry, granite. Open pit, 700 tons; steam; mill.
**	. "	Milne & Chalmers, Penn St. Granite. 500 tons. Steam; mill.
		Quincy Granite Co. F. J. Fuller, propr. Gpen pit, 5,000 tons; steam; mill.
11		Alphonse Reinhalter, 116 Williard st. Cap. \$12,000. Granite. Open pit, 20,000 tons; steam; mill.
**	**	O. T. Rogers Granite Co. W. H. H. Andrews, gen. mgr. Cap. stk. \$20,000. Dark and light granite. Open- pit, 1,750 tons. steam; mill. M. P. Wright, supt.
**		Townsend & Clements. Cap. \$25,000. Gramte. Open pit, 7,000 tons: steam.
Randolph Ry. 54		k 8, B, Corliss. Randolph, granite. Open pit; hand; mill.
Rockport, Ry. 7t.		X. Edwin Canney, Granite, Open pit, steam.
••		Pigeon Hill Granite Co., Boston, Mass., 166 Devonshire st. F. Seripture, propr. Cap. stk. \$30,000, Granite, 75,000 tons, steam; mill.
		Rockport Granite Co., Geo. O., Sanborn, prest., Chas. S. Rogers, treas, and mgr. Cap. stk. \$200,000, Granite, Open pit, 110,000 tons; steam. Frank E. Foster, supt.
Uxbridge, Ry, 508		er B. J. Blanchard, Cap. \$10,000. Blanchard, granite. Open pit, 5,000 tons. steam.
Westford By. 71,		x Charles M. Cummings. Cap. \$4,000. Bond Quarry, grante. Open pit, 3,000 tons; horse.
11	**	H. E. Fletcher & Co. Cap. \$15,000. Granite. Open pit, 14,000 tons: steam.
	**	Noah Prescott, Cap. \$5,000. Stone. 2,000 tons, horse and hand; mill.
**	**	Hammett D. Wright. Cap. \$2,200. Granite, surface. 4,000 fons, hand.
W. Stockle Ry. 3t:		e Truesdells & Fuarey. Cap. stk. \$12,000. Limestone. 7,500 tons, steam, two kilns, 4,500 tons.

Worcester, Worcester Webb Granite & Construction Co., 44 Front st. Geo. D. Webb, prest., Elhott K. Wheelock, seey, and Ry. 71, 261, 568, 513, 830 trens. Cap. 8tk, 8200,000. Millstone Hall Quarry, stone. Open pt. 25,000 tons. steam: mill.

SEE ALSO SUPPLEMENTARY LIST

# MICHIGAN

#### COAL-BITUMINOUS

LOCATION OF MINE. RAILWAYS, WATER ROCTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2:00 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHINS, CORE (VESS, AND NAME OF MINE SUPPRINTENSO NT
Town One County	

Chuton, Thomas Jenkins (beal), Grand Ledge, Mich., Cap. 8550. Stark., Turimel, 456 tons, hand, Ry, Grand Ledge 223

Grand Ledge Latton, F. Boyle, Slope, 982 tons, hand, RY, 222

Jackson Jackson R. H. Tmerson & Co., Room 2 Allen Bennett Rlock, C. H. Higdon, mgr., Cap. 814,000, Tmerson 10. Shaft, 30,000 fons, steam, John Robson, supt. Ry, 290, 383, 440,

Standard Maning Co., 118 N. Mechanic st., Chas. Gage, prest., T. B. Jones, Ireas., Robt. Gage, mgr., and supt., Standard, Shart, 25,000 tons, steam.

Huron Sagmaw Bay Coal Co., Sagmaw, Aheli, Didy Bldg - Wm T Webber, prest, James B, Peter, seey and Ireas. Cap. 8tk, 8100,000 - Sagmaw. Shaff, 12,000 tons, steam - Lewis Stockett, 80pt. Schewanig Coal Co., West Bay City, Mich. Spencer O. Usher prest., John U. Seeley, seey, and treas, W. I. Chappell, nigr, and supt. Cap. 8tk, 8150,000... Shart!

#### COPPER

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS CAPITAL STORY. NAME OF MINE, KIND OF OUR, KIND OF MINE, ANNUAL OUTFITTEN TOXS OF 2 AO POLINIS, KIND AND SHIPPING POINT. OF POWER USED, I CHNACES, I TO JAND NAME OF MINE SUPERINTENDENE

> Atlantic Mining Co., New York City, 75 Wal, 8t. Jos. 1. Gaz, prest., John Stanton, seey and treas., F. McM, Stanton, mgr., and supt. Cap, 8tk. 81,000,000. Atlantic, copper., Shatts, 25,000 tons, steam and electricity

Allonez Mining Co., New York City, 76 Wall St., Win C. St., 44, prest., John Stanton, seey, and treas Cap Stk. \$2,000,000. Allonez, copper., Shafts, 6,250 tons, Steam., Tred Smith, supt.

Wolverine Copper Mining Co. New York City, 5c Will st. John Stanton, prest. John R. Stanton, seev-and treas., Fred Smith, mgr. and supt. Cip. 8th, 87,50,000. Wolverine, copper. Shafts, 600 form

Houghton Centennial Mining Co. F. B. Hausdale, prest. D. I. Denamon, treas. "Johnson Vavian, mgr. and supt. Cap. 8tk. 8100,000. Centennial, copper. "Shart "steam."

Kentsarge Mining Co., Boston, Mass. Thos. Nelson, prest. A. S. Bigelow, seey, and treas., J. D. Hasking, ingr. and supt. Cap. 8tk, 81,250,000. Kearsarge, copper. Shafts. Upoctons. Tree. steam.

Kewesters Cliff Copper Co., Boston, Mass. 7. Beacon st., D. D. Brockaway, man and supt. a lift, copper, Strifts,

Copper Faffs Mining Co., Boston, Mass., 19. Evchange pt. - David Nevens, prest. John Brooks, seev. and treas., J. B. Moyle, mgr. and supt. - Copper Faffs. Tunnel and shaffs, 120,000 fors. steam and comtreas , J. B. Moy pressed air, mill

per Co., Boston, Mass., 53 State st., Charles H., Andrews, prest., Philip Highley, seev and Affred Meads, mgr. and supt., Cap. stk. \$500,000., Budge, supper., Shafts, 70 tons, steam,

Franklin Mining Co., Roston, Mass., T. H. Perkins, prest., D. I. Demmon, seev and freas. Graham Pope, uigr., Cap 8tk 8t,000,000. Franklin, coppet. Shaft, 2,200 bits., steam.

Quincy Mining Co., New York City, 5: Broadway - Thomas F., Mason, prest . Win Rugers Todd, seey and treas., S. B. Hattis, mgr and supt. Cap. 8th 81,750,000 - Quincy, copper - Shaft, 0,000 tons

May Copper Co., Boston, Mass., os Devonshire st., John C. Walters, prest., Frederick Beck, seev. and Heas. Cap. 8tk, 81,000,000.
 May, copper

Osecola Consolidated Mining Co., Boston, Mass., the Washington st., V. S. Bag-lov, prest. Thomas Nel-son, seev. and treas., John Daniell, mgt. and supt. Cap sik 81,250,000, Osecola, copper. Shatt., 5,000 for steam.

Tamarack Junior Wining Co., Boston, Mass., too Washington st.: Albert S. Bigelow, prest. Thomas Net son, seey, and treas. J. Dainell, mgr., and supt. Cap. stk. 81,750,000. Tamarack Junior, copper Sharts steam.

, Ontonagon Minnesofa Minnes (o), Roston Mass., 19 (ongress st., II, J. Stevens, prest., D. 1. Denamon, see a dio. treas., Bernamin Jeths, ingr. and Supt. Minnesofa, coppet. Shatts, steam

Nillomal Mining Co., Boston, Mass. 19 Congress st. W. C. Watson, prest. D. L. Dennion, seev and Huas. B. F. Chynoweth, ingr., Cap 8tk, \$00,000. Nilhonal, copper. Shatts, 60 tons. steam

Central Mining Co., New York City, 76 Wall St., Joseph L. Gay, prest., John Stanton, seev., the as, and mgr., Cap 8th 8500,000. Central, copper., Shaft, Lloo tons, steam, James D. ustan, supt.

LOCATION OF MINE. RAILWAYS, WATER ROUTES

Schewaing Ry, 613.

Adams Hongaro. (P. O. Atlantic Mine Ry, Honghton 22 Houghton

Allonez Keweenan

Calumet  $\mathrm{Ry}_+ \mapsto$ 

Cliffon Keweenas, (P.O. Phienix (Rv. A) Ionez 204, Fagle Har bor 386

Copper Falls Mine Ry, Fagle Harbor ass Greenland Ontonagon

Ry, Ontonagon 451, Hancock Houghton

Ry. 304, 380, 453

Oscoola Hougmon (P. O Opechee) Ev. Houghton Houghton 229 Red Jacket Houghton

By, Dollar Bay 386, Bockland

Ry. 451.

Sherman Keweenaw P O Central Mine: By Lagle Harbor 386

## GOLD AND SILVER

	GOLD AND BILVER
LOCATION OF MINE, RAILWAYS, WATER ROCTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SCIPERINTENDENT.
Town AND COUNTY	
Ishpening Marquette Ry, 150, 229, 451.	Fire Centre Gold Mining Co., Milwankee, Wis., 148 New Insurance Bidg. S. S. Curry, prest; H. S. Haselton, seey, and treas, D. McViche, ingr. Cap. 8tk, \$20000. Fire Centre, gold and sliver, Shafts and open pit; free; steam and horse; mill.
	Gold Lake Mining Co. George Hayden, prest., Chas. T. Fairbairne, seey, and treas.; A. B. Miner, mgr. Gold Lake, gold. Shaft, refractory; hand.
	Michigan Gold Co., Marquette, Mich., First National Bank. Chas. R. Sligh, prest.; E. B. Dikeman, seey.; E. H. Towar, treas.; J. Parke Channing, vprest. Cap. stk. \$1,000,000. Michigan, gold. Shafts; free; steam. E. L. Zukoski, supt.
	Ropes Gold & Silver Co. Julius Ropes, prest.; C. R. Ely, seey, and treas.; W. H. Rood, mgr. Cap. stk. 82,000,000. Ropes, gold and silver. Shaft, 30,000 tons, free; steam; 65 stamps. Geo. Weatherston, supt.
	GRAPHITE
LOCATION OF MINE	
OR BANE, RAILWAYS, WAILE ROUTES, AND SHIPPING POINT. TOWN AND COUNTY.	Yamf of Company of Individual, Location of Principal Office, Names of Officers, Capital Stock. Name and Kind of Mine of Bank, Anneal Outfett in Tons of 2,00 Pounds, Kind of Power Used, Etc., and Name of Suferintendent.
	A Language of the Control of Mark William A. L. J. Brown and H. A. Broken, and J. Brown
L'Ause Baraga Ry, Taylor's June, 229.	Lake Superior Graphite Co., Defroif, Mich., 540 River st. A. J. Boynton, prest; R. A. Parker, seey., A. A. Boutell, treas, and mgr. Cap. 8tk, \$500,000. Open pit, 1,000 tons. R. R. Williams, supt.
	GYPSUM
LOCATION OF WINE. RAILWAYS, WAIFE ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFICE IN TOSS OF 2500 FOCUME, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINES OFFICENTIFIC
TOWN AND COUNTY.	
Wyoming Kent P. O. and Ry. Grand- ville 152.	Loren Day. Cap. \$75,000. Michigan, gypsum. Open pit. 6,000 (ons; water. Afbert Medemo, supt.
	1RON
LOCATION OF MINE. RAILWAYS, WATER ROUTLS AND SHIPPING POINT.	NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OPFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNIAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTERMENT.
TOWN AND COUNTY.	
Beacon Marquette Ry, 150, 229, 451.	Champion Iron Co., Boston, Mass., 37 Franklin st., Jos. 8, Fay, prest., W. E. Stone, seey, and freas., A. Kidder, mgr., Cap. stk, 8500000, Champion, bessenier, Shatts, 280000 fons; steam, Walter Flich, supt.
Bessemer Gogelie Ry, 449, 229, 827.	Anvil Mining Co., Milwankee, Wis., 79 Michigan st., Gage E., Farbell, prest., E. A. Conrad, secy., Cap. stk., 8200,000. Anvil, hematite. Shaffs, 100,000 tons, steam. D. A Bennett, suot.
	East Danglei Iron Mining Co., Chas. Anderson, prest., C. A. Hauseom, secy, and mgr., T. E. Mays, freas, Cap. 8tk, \$1,000,000. East Danglei, iron. Shaft, steam. Andrew Johnson, suit.
	Eureka Iron Mining Co., Cleveland, Ohio, Perry-Payne Bldg. James Corrigan, prest, and mgr., F. T. Ives, seey, and treas. Eureka, iron. Shaffs, 23,000 tons, steam. Jas. H. Pearce, supt.
	Lowell Iron, Minling Co., Cleveland, Ohio, 164 Bank St., Stephen A., Jenks, prest.; J. B. Zerbe, seey, and trens., M. W. Burt, mgr. and supt. Lowell, bessemer. Shaft, steam.
	Mikado Mining Co., Detroit, Mich., 33 W. Fortst. M. W. O'Bran, prest., J. T. Keena, seey, and treas. Cap. stk. 81,000,000. Mikado, besseiner. Shaft, steam. M. P. O'Brien, supt.
	Penokee & Gogebie Consolidated Mines, Cleveland, Olno, Perry-Payne Bidg. Jos. 8, Colby, treas. Cap. stk, 84,400,000. Colby, Tilden and Palms, bessemet, hematite Shaft, 570,000 tons, steam, W. J. Oleoft, smf.
	United Maning Co., Detroit, Mich., 33 W. Fort St., M. W. O'Brien, prest., W. B. O'Brien, seey, and treas, Cap. 84k, \$500,000. United, iron., M. P. O'Brien, supt.
Champion Marquette Rv. 150, 229, 451,	
	Phenry Iron Mining Co., Marquette, Mich. Peter White, prest, and freas; James E. Jopling, seey. Cap. sik s20,000. Phenry, Innonite. Shaff and open pit, steam.
Clarksburg Marquette Ry Diorite 29.	the state of the s
	Armenia Mining Co., Milwankee, Wisa, New Insurance Eldg. Ferdinand Schlesinger, prest. L. Kreielsheimer, sery., William Schlesinger, treas., T. F. Cole, mgr. Cap. 8tk, \$90,000. Armenia, hematite, Shafts, Scain.
	Claire Mining Co., Milwankee, Wis., New Insurance Bidg. Ferdinand Schlesunget, prest.; L. Kreielsheimer, sery. William Schlesunger, Ireds., T. F. Cole, mar. Cap. 8tk, 8550,000. Claire, hemainte, Shatt and open pit; steam (developing). S. P. Bennett, sur.
	has Star Ca. Indicate Made to Common Phile. Immon This and prost. V. K. Moore valued seex

Iron Star Co., Detroit, Mich., 12 Campon Bldg., James M. Tur ner, prest., V. K. Moore, v.-prest., secy, and mgr., T. H. Newberry, freas. Cap.stk/8500,090. Great Western, iron. Shatt, 100,000 tons, steam.

# IRON (CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER BOUTES AND SHIPPING POINT.		NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAFITAL STOCK, NAME OF MINE, RING OF ORE, RING OF MINE, ANNEAD CUTTETTE LOSS OF 2005 PORCESS, RING OF POWER USED. BLAST FURNACES, ETC., AND AND OF MINE SUFFERINDEDISM.
TOWN AND	COUNTY	THE COURT OF THE COURT OF THE ACT OF THE COURT OF THE COU
Crystal Falls., (Continu	tron	Lamont Iron to., Chicago, Ill., 190 Rookery Rbdg, E. E. Crepin, prest., R. Floyd Clinch, seey., S. P. Parmly, treas., Frank Scadden, mgr., and supt. Cap. 8tk, 8100,000. Lamont, bessenner. Shall, 75,000 tors, Steam.
		Paint River Iron Co., Ashland, Wis. [4, Stack, prest]. M. R. Hunt, seey, and treas Frank Scadden, mgr. and supt. [Cap. stk. 8500,000]. Paint River, bessenier. [85,000 tons.] steam.
		York Iron Co., Milwankee, Wis., New Insurance Bidg. Ferdinand Schlesunger, prest., L. Kreielsheumer, seey., William Schlesunger, treas., T. F. Cole, ingr., Cap. 8tk 850, 100. Dunn, hematite, Sharts, 1814, tons., Sciennett, Supt.
Humboldt . Ry, Marque	Marquette tte 150, 229,	Foxdale Iron Mining Co., Ishpenning, Mach., 241 Douglas st. Thos, Buzzo, prest and mgr. D. F. Wadsworth, seeg.; R. Maxwell, treas. Cap. stk. 800,00. Foxdale, specular. Shart. steam. O. Wills, supt.
**		Samson Iron Mining Co., Chicago, Ph., 246 Phenry Bidg. Morris Seifers, prest., J. M. Sellers, seey and treas., Richard A. Parker, mgr. and supt. Samson, specular and magnetic. Shatt, 22500 fons, steam.
Fron Mountain Ry, 150, 451,	Dickinson	Chapur Mining Co., Milwankee, Wis., New Insurance Bidg. W. A. Hanna, prest., G. H. Kent, seey and treas. Cap. 8th, 82,000,000. Chapun, hematite, bessenier. Shafts, 70,000 fons, water and sleam. Jas. MacNaughton, 80pt.
••	••	Lumberman's Mining Co. A A Carpenter, prest. Francis A Brown, seey, treas, and mgr. Cap. 8tk, 81,600,000. Ladington, besseiner. Shatt, 150,000 tons, steam, hydraulic, compressed air.
		Marquette Iron Syndicate, Mi'wankee, Wish, Cold Insurance Eddy W. A. Severson, prest, and mgt., R. L. Dingwalf, Seey. Cap. 3th, 82,000,000. Autome, iron. Shatt. Steam.
**	**	Pewalne Co., Milwankee, Wis (2004). Water St., Mack Block. G. D. Van Dyke, ptest. W. D. Van Dyke, seely, and treas. Netson P. Hafst, mar., Cap. Stk. \$20,000. Tewalne, bessemer. Shart, 53,125 lons, steam and compressed art. L. F. Brown, supp.
Bronwood Rv. 449, 827.	Gogebje	Ashland from Mining Co., F. A. Hayes, prest, and mgr., J. O. Hayes, seey, and treas. Ashland, iron ofe. Shart, 400,000 fons, steam, J. H. Taylor, suid
**		Autora Iron Mining Co., Cleveland, Olno, Perry Payne Bildg, Jos. I. Colloy treas, A. L. Dickerman, ingr. Aurora, North Autora and Vaughn, bessemer. Shafts, 20000 (ons., steam. W. J. Olcott, supt.
**	**	Wetropolitan Tron & Land Co., McWaulkee, Wiss, 448 New Insurance Bildg, 808 Curry, prest, and mgr. H.S. Hasellon, seev. 8 J. Pefar, Ireas. Cap. 8th, 82500000. Norme, Tast Norme and Pubst, besseling. Shafts, steam. 31, 90 bits, suppl.
		Newport Mining Co., Wilwankee, W.S., L. H. Bottum, prest. C. F. W.56, seev., J. J. Gill, treas., F. W. Oglebay, ngj. Newport, bessemer. Sharts, steam, M. W. Burt, suit.
		Penokee & Cogelije Development to CCC Collay, prest. J. L. Collay, treas., A. L. Diekerman, nigt, Comet, Pathia, Eldent, Collay, Autora and Superior, hessenier, hematite. Shatt, 1990,000 fous, steam and air. W. J. Oleoff, supl.
Ishpeming Ry, 150, 229,	Marquette Vd.	Last New York Iton Co. S. R. Wambold, prest, C. R. Hy, seey. M. J. Luther, trens. J. Parke Chan- ming mgr, and supt., Cap. 8th 8t; 80,000. Last New York, be seeiner and he mat b. Shafts, 5c 25ctors, steam.
		Lake Superior from Co. Roston, Mass., 78 Statest., G. W. E. Matteson, prest. A. C. Lenney, seev. Jos., P. Fay, treas. Cap. 55, 82,50,000. Table Superior, red specular. Shafts, 17,000 fors, shaim. W. H. Johnston, supt.
	. "	Pittsburgh & Lake Angeane Fronco, Cleveland, Olno, Perry Payne Hidz, Jas. Laughlin pt., prest., Win G. Pollock, seev. and Treas. A. Kidder, high Cap., 8th 820900. Take Angeline, bessemet Sharts, Physicians, Sciam. These Walters, supf.
		Wintheop Fron Co., Cleveland, Ohio, Petry Payne Eldy, M. A. Hanna, prest. A. C. Saunders, seev, and trens. J. Braastad, ingr. can stk, Szonow. Wanthrep and Matchell, hematile. Shaff, Edocotons steam. C. L. Euristinia, supp.
Manistreld Rv 450,	Lion	Mansheld Iton Mining Co., Chicago, Ill., 90 Phenry Bildy W. S. Calhoun, prest C. H. Terry, treas, cap, stk. 8500,000 - Mansheld, iton ore - Shatt, 75,000 tons - steam, "Louis Aschelmain, supt
By Marque		Imperial from Co., Boston, Mass., 37 Franklin st., Win, 1., Stone, freas., Richard A. Parker, nigr., Imperial, finonite. Open pit and shafts, 40,000 fons, steam., J. C. Item with supt.
Negaunee ; Ry, 150, 229,	Marquette	Bullalo Mining Co., Milwankee, Wis., New Insurance Bldg. Ferdinand Schlesinger, prest. A. B. Ged- tuss, seey. Win Schlesinger, treas. [1, 17] Cole, mgr. and supl. Cap. sik. 81,000,000. Bullalo, hema- rity. Shatts, 36,800 ton). Schun.
Norway. Ry 150.	Dickinson	
		Aragon Mining Co., Milwanker, Wis., 71 New Insurance Bidg. Arigus Smith, prest, and treas., A. W. Wilkins, seeg., P. Larsson, ingr., and supt. Cap. 8tk 81,074,000. Aragon, bessemer. Shafts, 20000 toris, steam.
	**	Finlay Mining & Exploring Association, Negatinee, Mich., Robert Finlay, prest, J. D. Campbell, seey, and treas, John Finlay, high, and supt., Cap. 8tk, 80,000. Finlay, bessenter aton ore. Shaft steam developing.
		Valencia Mining Co., Wilwanker, Wis., 71 New Insurance Bldg. Angus Smith, prest, and treas. A W-Wilkins, sery. Steam. P. Latsson, supt.
Palmet Ry, 150	Marquette	Platt Mining & Manufacturing co., R. J. Whaley, prest., T. A. Platt, seev. and treas. Platt, bessemer shart. Chas. F. Lawton, supt.
		Volunteer from Co., Detroit, Mich., Leiegraph Bidg, Win, C. Colburn, prest of C. Mer and Seeve and treas., A. Kidder, n.gr., Cap. 8th, 84,000,000, Volunteer, from Sharts, 20,000 rous (steam). Thes Walters, supl.
Republic Ry, 226.	Marquette	Republic from Co., Cleveland, Ohio, 25 While Bidg., W. D. Rees, prest, and treas. W. D. Castle, sery capestk, 82/20000. Republic specular and magnetic. Shatt, 22/2000 fons. steam and water. Capt. Peter Passo, supt.

Richmond, Marquette Aohanteer Iron Co., Detroit, Mich., Telegraph Bil., Win 3' Colbourn, prest. J. C. McCarl, Seev. and (P. O. Palmer) Ry 22' treas. Cap. 8tk 81,000,000. Volunteer, specular. Shaft, Louise tons, steam. Thes. Writers, supt.

Manistre Rv. 262, 416,

Marine City

Oscoda Rv. 380.

LOCATION OF MINE

#### IRON (CONTINUED)

RAILWAY AND S	HIPPING	R ROUTES POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, RIND OF URE, RIND OF MINE, ANNUAL DUTTET IN TORS OF 2,000 POOLS, KIND OF POWER USED, BLASS FUNNISS, ETC., AND NAME OF MINE SUPERINTENDENT.
Tows	AND	COUNTY.	
	ountain puir 229		Spurr Iron Mining Co., Detroit, Mich. Win, A. Moore, prest.; Win, J. Gray, seey, and treas. Cap. stk. \$250,000. Spurr, magnetic. Shaft, steam.
Stonevill Ry. 2:	e 3 29.	larquette	Saginaw Iron Mining Co., Saginaw, Mich. L. Tillotson, prest.; C. H. Gage, seey.; F. C. Stone, freas.; T. H. Bargh, mgr. and supt. Saginaw, iron. Shafts, 4,000 tons; steam.
Wakefiel Ry, 4-		Gogebie	Brotherton Iron Mining Co., Milwankee, Wis., 388 E. Waterst, Joseph Sellwood, prest.; Edw. Niedecker, seey.; M. J. Suther, treas.; Jos. Sellwood, ngr. Cap., vk. \$2,000,000. Brotherton, hematile, bessemer, Shatts, 100,000 fors; seam. Richard Howden, supt.
			Penokee & Gogebic Consolidated Mines, Cleveland, Ohio, Perry-Payne Bidg.; Joseph L. Colby, treas, Cap. stk. \$4,400,000. Superior and Comet, bessemer, hematite. 380,000 tons; steam. W. J. Olcott, supt.
		**	Sparta Iron Mining Co., P. H. Putnam, prest, and mgr.; F. N. Newton, seey.; M. A. Thayer, treas, Cap. stk., \$1,000,000. Sparta, iron. Sharts, 25,000 tons; steam. Capt. P. H. Byrnes, supt.
* 6		**	Sunday Lake & Gogelie Co., Milwamkee, Wis., New Insurance Bldg, Ferdhand, Schlesinger, prest; L. Kroedshemer, seey; William Schlesinger, teras. T. F. Cole, mgr. Cap, stk, 800,000. Sunday Lake, hematite. Shatts, 72,300 tons, steam. John McLeod, supt.
			SALT
RAILWAY	TION OF SR WELL S, WATER	ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF FRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTFUT IN TORS OF 2.0.0 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUFFERINGEDENT.
Town	AND	COUNTY.	TO CODE AND OF TOWER CODE, DIG. AND MADE OF MINE SUPERINTENDENT.
Algonac Ry, 37	9.	St. Clair	Walton Salt Co., Albert Millen, prest., Edgat Reyford, seey., treas, and mgr. Walton, line. 48,000 brls.; steam. Win. Beers, supt.
Bay City Ry. 16	1, 262, 4		F. E. Bradley, 401 N. Water st. Fine. 3 wells, 35,000 brls.; steam. Wm. Gilenan, supt.
**			Dolson, Chapin & Co. Fine. Wells, 50,000 brls., steam.
			Eddy, Avery & Eddy. 5 wells, 60,000 brls., steam. F. H. Mason, supt.
		**	$MeLean (X, Co., 1509) S. Water st. (Cap. \$150,000). (Fine, 5) well 3, 50,000 \ brls., steam, John Kanall, supt.$
			Muchigan Pipe Co. S. A. Hill, prest., Henry B. Smith, secy., and treas. Cap. stk. \$100,000. Coarse, 2 wells, 20,000 brls., steam. M. F. Wilcox, supt.
		**	Pitts & Cranage, Washington st. Fine, Wells, evaporation.
Buena Vi Ry. S 379.	wantgas	Sagmay 222, 262,	Melchers & Nerreter, Sagmaw, Mich. Cap. \$15,000. Fine. Well, 12,000 brls.; steam.
Carrollloi Ry. 10	n. 61. 262, 4	Sagmaw 40.	A,T,Bliss,Sagmaw,Mich.,321N,Hannitonst, Fine, Wells,t25,000brls.,steam, C,C,Cook,supt,cook,supt,supt,cook,supt,supt,cook,supt,supt,cook,supt,s
**		**	E. C. Chapman. Shatt, 29,250 brls., steam.
Caseville Ry 59		.Huron	Curran, Flach & Couley. Fine and coarse. 3,000 brls.
Crow Isla Ry, 26		Sagmaw.	8 W. Tyler & Son, Saginaw, Mich., 6 Penny 45dg. Fine. Wells, 26,000 brls., steam. D. H. Slater, supt.
Eastlake Ry, 45		Manistee	R. G. Peters Saft & Lumber Co. Michigan Trust Co., receiver. Coarse. 5 wells, 430,000 brls., steam.
Hampton (P. O 161,	. Báy ( 262, 440	ny Bay	J. R. Hall. Cap. \$90,000. Common and fine. 42,000 brfs.; steam.
			W. B. Rouse, Essexville, Mich. Fine. Well, 32,000 brls., steam,
Ludingtor Ry, 26		Mason	Pere Marquette Lumber Co., cor. Main st. and Ludington av. John Mason Loomis, prest., F. J. Dowland, seey., treas, and mgr. Cap. stk. 850000. Fine, Wells, 100,000 brls., steam, H. E. Freeman, smt.
			Thomas Percy. Cap. \$75,000. Coarse. Wells, 180,000 bris., steam. Fred. L. McElroy, supt.

Canneld Salt & Lumber Co., John Cantield, prest., Frank W. Cantield, seey, and treas. Cap. 8tk, \$1,500,000 Fine. Wells, 140,000 brls.; steam.
 "Mainstee Canheld & Wheeler Co., Sprace and Water 8t. E. D. Wheeler, prest, and mgr., F. W. Cantield, seey, and treas. Cap. 8tk, \$3,00,000. Course and line. Well, 75,000 brls.; steam: E. R. Wheeler, supt.

Eureka Lumber to., 72 Arthur st. James Dempsey, prest.; Wm. Wente, seey, and treas. Cap. 8tk, 8885,000. Weffs, 120,000 bris., steam.

Marine City Stave Co. Samuel Heavenrich, prest., R. B. Bloodgood, seey., C. A. Calzin, treas, and mgr. Cap. sds. 825,000. Marine City, common, fine, coarse. [90,000 brks; steam.]
 Iosco. Gratwick, Smith & Fryer Lumber Co., Tonawanda, New York, Win, H. Gratwick, prest., Edward Smith, seey, and treas. J. V. O'Brien, mgr. and supt. Cap. stk.\$500,000. Flue. 2 wells, s6,000 bris.; steam.

Pack, Woods & Co., G. W. N. Pack, prest., Edwin F. Holmes, secy. and freas., Greene Pack, mgr. Cap. 8tk, \$500,000. Pack & Woods, fine. 20,000 bits., steam.

2 Louis Sands, Cap. \$50,000. Fine. Well, 100,000 brls., steam. Nath, Blizzard, supt. 8t. Clair. Martine (44) Saft & Brief Works. John Mitchell, prest., W. F. Sanber, seey., treas., mgt. and supt. Cap. six \$50,000. Martine City, fine. Wels, 55000 brls., steam.

Town

### SALT (CONTINUED)

Saginaw.... Saginaw Bliss & Van Anken, 1100 S. Niagara st. 40 wells, 40,000 tons, Ry, 222, 223, 262, 370, 440.

LOCATION OF MINE OR WELL, RAILWAYS, WATER ROUTES AND SHIPPING POINT AND COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Ly, 222, 223, 262, 349, 440,	
41	Brand & Hardin, 500 S. Wafet. Fine and common. 44,000 brls ; steam.
*	Briggs & Cooper. Cap. \$30,000. Common and fine. Well, 10,000 bris., steam,
10	C. L. Granf & Co. Cap. 820,000. Time and coarse. Shart, 15,000 brls., steam. C. L. Grant, supl
**	Green, Ring & Co.   Fine.   4 wells, 66,000 brls
	D. Hardin & Co., 605/8. Water st. Fine. Well, 8,000 brls.; S'earn, H. P. Denison, supt.
	N. Holland, foot of Atwater st.   Time: 4 wells, 40,000 bils steam.
	Linton Manutacturing Co., cor., Jefferson av., and Euclid St. A. Linton, prest., C. E. Lanton, seey, and ingri: W.S. Lanton, freas. Cap. 8tk, 8100,000, Common. Well, 20,000 Jerls., Steam. Peter Christian, 8494.
**	Chas Merrill & Co. Cap 40,000. Time 4 wells, 65,000 bris., steam. Win, J. Mason, supt.
	Merrill & Ring   Fine,   Wells, 52,000 brls., steam.
**	W. B. Mershon & Co. W. B. Mershon, prest, and mgr., Chester Brown, seey. and trens. Cap. 8th, 8250, 000. Pine. Well, 30,000 brls., 8 team.
	Michigan Dairy Salt Co. C. K. Liddy & Son . Cap. stk. \$25,000. Table, dairy. 100,000 brls., steam
	Michigan Salt Co., Thos. Cranage, prest. V. G. Holland, seey., C. V. Rust, treas. Cap. 8tk, 8200,000, Common, fine, dairy. Wells, 300,000 bils.
**	Rust Bros. & Co. Cup. stk/825,000. Coarse = .37,000 brls., steam
	Sample & Camp - Common. Well, 15,000 let 8 , steam
St. Clair St. Clair Ry, 379, 440.	Diamond Crystal Salt Co. A. F. Moore, prest, and mgr., E. R. Mooré, seey, and freas. Cap. stk. 87,500, Diamond, line - Well, 55,000 bits - steam - John Clark, supt
**	Thouson Bros., Front st. (cap. 880,000). Coarse and fine. Wells, 75,000 bits., steam. A. Meno, supt.
Sand Beach Huron Ry, 262, 379.	Huron Dairy Saft Co., Geo. W. Jenks, pitest., Chas. S. Niens, seey and treas. "John G. Puddock, mgt., and supt. —Cap. stk., 850,000. Coarse and fine dairy. —Well, 25,000 brls.—steam.
Stronach Manistee Ry, 262, 380	Stronach Lumber Co., John Canneld, prest. Who & Thorsen, seey Areas, and mgt. Cap. stk. s250,000. Pine and course. Wells, 100,000 br/s., steam.
Tawas City Losco Ry, 220, 380	Winona Saft and Lumber Co., John B. Fellows, prest, and mgt., Gee. R. Kinne, seey, and treas., Cap., stk. 800,000., Winona, line., Well, 27,000 brls., steam.
West Bay City Bay Ry, 161, 262, 440,	H. W. Sage & Co.   Time   20,000 larks   steam   W. M. Pletcher, supr
**	Carpenter & Co.   Page   40,000 byls   steam
Zilwankoe Saginaw Ry, 161, 440.	Rust, Eaton & Co., Saganaw, W. S., Court st., Pare: Well, Openeral s., steron. P. Stafford, supt.
	SLATE
LOCKTION OF QUARRY.	Note of Company of Individual, Location of Trincha, Office, Names of Offices, Called Stork
RAILWAYS, WATER ROUTES AND SHIPPING POINT	NAME OF QUARTER, KIND OF SLATE, MIND OF QUARTER, ANNUAL OUTPUT IN TOKS OF 2700 POLNIES.
Tows AND COUNTY	KIND OF POWER USED. MILES, LTC., AND NOME OF QUALICA SCIPERINTENDENT
Arvon Baraga Rv. 229	Michigan Safe to James M Turner, post and tools (F. I. Rebson, seev.) (M. Tirner, m.2), and
113. 223	supt tap stk 8500,000. Steam
81	CONE, MARBLE, GRANITE AND ONYX
LOCATION OF MINE OR QUARTER. RATEWAYS WATER BOTTLES AND SRIPPING POINT	NAME OF COMPANIOUR SECTION CONTRIBUTION OF THE NAME OF OPTICAL CARRIAGE STOCK NAME OF MINFORD VALUE, AND OF SPONE RENEAD MINFORD MINE SECTION AND ADDRESS AND ADDR
Town (Sp. Cornty	CALACITY, I'TE, AND NAME OF MINE SUPERINTENDENT
Almoaster Aosco Ry, 440	Western Plaster Works, South Cheago (P., B. 1, 8m,tr., prest and mgr., B. W. McCauskard, serviand treas., Cap. 8tk, 8400,000. Gypsum took. Open pit. steam.
Grand Stone City - Harron Ry, Port Austin 262	Cleveland Stone Co., Cleveland, Ohio, Wilsh of Ridg., J. M. Worthungton, posts. Goo, H. Worthungton, seep, and Treas. Cap. 8th 82,500,000. Grandstone, sandstone. Open pd. 42,000 lons, steam mill James Nicholl, sing.
Holland Offawa Ry, 152,	Waverly Some Co. H. D. Post, prest., H. H. Pope, v. prest., W. J. Garrod, seev., J. C. Post, freas., F. C. Hall, mgr., cap., six S. S. S. Waverly, sandstone. Strong, supt.
Ida Montoe Ry, 383	N Davis Cap 855,000. Ida, finistone. Open pit, steam (inc., kain, georges)
Ishpening Marquette	American Verde Antique Mat'de Co., W.C. askec, Wiscons Wisconson St., C. M., Kenda J., po. 82, M. W.

Marquette American Verde Antique Marble Co., W.Co., W.Co., Wys., 95 Wiso misur St., C. Al., Konda J., post., M. W. Sherman, seev. and treas (Cap. stk. 82000). Green marble: Steam (Cap) James I. Frovedi, supt. Houghton Trast, New A. Co., Chicago, El., 187 (20 Lat Sancest - P. W. Nollinger - Red and block is and stone - 15,000 tone, steam - mill - J. W. Wyckoll, supt

Jacobsville Ry 380, (19)

1shpenning Ry, 150, 229

Town

#### STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER BOUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OF QUARTY, KIND OF STONE, KIND OF MINE OF QUARTY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUIERINTENDENT.

AND Jacobsville

COUNTY

Houghton Portage Red Stone Co., Chicago, Ill., 189 La Salle st. J. S. Malone, prest.; E. T. Malone, seey.; John Thoudinson, treas. Cap. 8tk, 825,000. Portage Entry, red sandstone. Open pil, 25,500 tons; steam, P. B. Farker, supt.

Ry, 229, 386.

Baraga Detroit Brownstone Co., Betroit, Mich., 502 Hammond Block. Willard Pope, prest., John Bissell, seey.; Chas. T. Miller, treas.; Charles H. Little, mgr. Cap. 8tk, 8500,000. Brownstone. Open pit, 2,000 tons; strain, mill. Win. Corric, supt.

Marquette Ry, 141, 150, 386, Mouroe

"Marquette Furst, Nen & Co., Chicago, Ill., Room 42, 187 La Safle st. Peter W. Nen, mgr. — M., 386. — — brown and red stone. — Open pit, 14,000 tons; steam; mill. Peter Pickel, supt. Marquette Brown Stone.

Ry, 383, 440,

Monroe Michigan Stone and Supply Co., Detroit, Mich., 40 W. Fort st. Gus. F. Smith, prest, and mgr.: Cameron Currie, seey, and treas. Cap. stk. \$100,000. Limestone. Open pit, 50,000 tons: steam, James Uniferson, supt.

Newtonville

Michigan Stone & Supply Co., Detroit, Mich., 40 W. Fort'st., Gas F. Smith, prest, and mgr.: Cameron Currie, seey, and treas. Cap. 848, 8100,000. Bluestone, limestone. Open pit, 50,000 tons; steam; 4 erushers, Frank C. Stevens, supp.

Ry. 329, 386,

Baraga Michigan Red Stone Co., Chicago, Ill., 487 La Salle st. Peter A, Pickel p est.; P. W. Nen, secy, and mgr., H. Furst, treas. Sandstone. 15,000 tons; steam, J. W. Wyckoff, supt.

Portage Red Sandsfone Co. Joseph D. Lloyd, prest.; Joseph H. Hillyer, secy. Chas. W. McFadden, treas, Caleb T. Le Tourneau, mgr. Cap. 8k, \$100,000. Red sandstone.

Rock River Ry. 229, 691.

Alger Butler Brownstone Co., Marquette, Mich., Chas., Johnston, prest, and mgr., Chas. C. Brown, seey., Geo., Barnes, treas., Cap., 8tk, \$2,000,000. Butler, sandstone. Open pit, steam (developing). Bert F. Froncy, supt. Rock River Brownstone Co., Eay City, Mich. W. I. Brotherton, prest., J. L. Stoddard, seey.; Geo. Barnes, Ireas. H. N. Watroux, mar. Cap. 8tk, 8500,000. Rock River, Sandstone. Open pit, steam; mill elevelopings. S. P. Cook, Supt.

Windsor (P.O. Bay Port Ry.643.

Huron, Bay Port Quarries, Bay Port, Mich., Win, L. Webber, prest. Bay Port, limestone. Steam: 4 kilns, 5,000 Ry,643. — tons., Win, H. Wallace, supt. [++11-.

#### SEE ALSO SUPPLEMENTARY LIST

# MINNESOTA

#### COPPER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTLITTIN TONS OF 2,000 POUNDS, KIND OF POWER USED, FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT

Grand Marais Ry, 386.

Cook Grand Marais Copper Mining Co., Chicago, Ill., 2 Sherman St., Room 42. Henry P. Darlington, prest.: Geo, Emory, sery., Frank Floyd, treas, and mgr. Cap 8tk, 82,000,000. Grand Marais, copper. Shatt and tunnel, hand.

### GOLD AND SILVER

LOCATION OF MINE. RAILWAYS, WALER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PLINGIPHS OFFICE, NAMES OF OFFICERS, CALITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTSTLEED TO SOR 2,990 FOUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Grand Marais

Ry. 386.

Cook North Shore Mining Co., Detroit, Mich., 6 Bank Chambers, "Jas. G. Battelle, prest., H. P. Eberts, seey, and treas", Cap. 8tk, 81,000,000. North Shore, silver "Shatt, tree" steam, developing.

	**	Ancient Diggings Co., Sault Ste., Matic, Mich., 592 Portage av — Win, P. Spalding, prest., treas , ingr., and — supt., Lewis D. Kemp, secy. Cap sik st.,000,000 — silver. Shatt and levels, tree, steam developing).
		IRON
LOCATION OF RAILWAYS, WATE AND SHIPPING	R ROTTES	NAME OF COMIANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OPPICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OURE, KIND OF MINE, ANNI AL OUTPUT IN TORSOF 200 FOUNDS, KIND OF FOWER USED, BLAST FURNACES, FITE, AND NAME OF MINE SUPERINFERDER.
Town	COUNTY.	
Duluth Ry, 386, 231,	St. Londs	Campbell from Co., 8t, Paul, 60. Pioneer Press, Bluz. [J. F. Campbell, prest. Frank Barriett, 89-y. and mgr., W. W. Braden, treas. Cap. 8tk. 8,000,000. campbell [6-88] met. Shaft, 50,000 fons. steam.
		Champion from Co., 63f Chamber of Commerce (R. H. Pa mer, prest), H. C., Crawford, seev. and treas), Chas, I. Howe, mgr., and supt. (Cap. 8tk, 85,000,000). Developing.
	**	Clark from Co., 42t Chamber of Commerce (M. J. Clark, prest) (M. W. Bates, seev.), (John G. Williams, treas., A. B. Cpton, mgt.) Cap. 8tk (8,000,000) (Clark, iton). Shaft developing).
		Kakana Iron Co., D. H. Merritt, prest. R. L. Kneede, seev. E. Murphan, treas. Geo. Fav. mgt., Cab. stk. 81,000,000. Red hematite. Steam, developing. A. J. Longvear, supt.
		Keewafin Iron Co., Room d. 218 W. Superior st. Martin Pati son, prest. Maron Reed, seey. H. H. Groec, treas. H. R. Speneer, Ingr. Cap. 8th. Sancoret. Recowating red hemitide. Shaft steam developing. Salas Robinson, suppl.
		Keystone Iron co., 5a Palladio Bilg. Clinton Markell, prest. T. R. Brace, seey. H. W. Pearson, freas., H. W. Cheadle, mgr., cap. stk. 85000000. Shatt. developing.
		Mesaba Chief Tron Co., 312, 313 Lycelan. L. V. Belding, prest. V. L. Crossley, seey, and freas. J. C. Wishler, v. prest. Cap. stk, 85,000,000. Mesaba Chief, hematab. Open pit. John Wallman, supt.
		North Star Rom Co., Baltamore, Md., are Second st., Retnard N. Baket, prest., Benj., Whiteley, seev, and treas., D. H. Merritt, v. prest, and mgr., Cap. stk., st., occood., Developing.
		Olno Mining Co., '07 Chamber of Commerce Edg., Jas. I., Campbel', idest. Tred Barrett, seev and nigt., I. H. Pressuell, Iteas., Cap. 8tk, 8 (20070). Soft hematile. Open jet 150,000 fons. strain., Col. W., R. Wallace, supt.
		The Prunstyvania Iron & Steel Co of Minnesota, vo I vecum Eldy. Win C. Bond, prest, Trank M. Zeller, very, Simon Clark, treas. Cap sike 8,000,000. Within Penn, hard and soft hematite. Open pit and shart obeveloping. T. W. Wood, supp.
		Sheriden Iton Co., 58 Furrows Block - E. H. H. atts, prest - C. I. Shannon, seev, and treas : W. C. Me-Comber, mgr. and supt Cap. stk, 81,000,000 - Sheriden, reachematic Shaft steam
		Towanda Iron Co., 217 (hamber of Commerce J. J. Hole, prest. C. S. Morrow, seey. B. f. Hole, treas. , John Salliyan, mgr. Cap. 8tk, 80,000 (Towanda, 3ron Open pat. developing.). The Bronell, supt.
		Washington Iron Co., 42 Chamber of Commerce - Hon A. R. Waler, presh, M. W. Bates, seev Win R Miller, freas., James A. Boggs, high - Cap., stk 85,000,000 - Washington - Open pit developing . E. W. Battes, supt.
Fly Ry. 230.	St. Louis	Anderson Iron Co., Duluth, Minn., W. C. Sherwood, prest (Charles T.) lement, seev and treas (James Bale, mgr., and supt. Cup stk. 81,000,000). Anderson Mine, bessener. Shafts steam.

Chandlet Iron Co., Chicago, Ill., 10to Rookery Eldg. C.P. Collin, prest. F. L. Merraman, seev. H. S. Pickands, (teas., Joseph Sellwood, fugr., Cap. str., 81,000,000). Chandler, bessenier. Shaffs, 20,000

Promeer Vermilion From Mining Co.—Thomas Bardon, prest., Win. II.—Phipps, seey, and treas. Property. Mine, red hematite bessemet. Shafts, steam. A. J. Gilbert, supt.

Grand Rapids Ry. 231.

Hasea Mesaba Iron Mining Co., West Superior, Wis., 714 Tower av. V. G., Bernard, prest, Conway C. Wyatt, seey, and ngr. H. DeWitt, treas. Cap. (b. 81,500,000). Mesaba, red hematite. Steam.
 Hasea Backey Fron Co., 84, Paul, Muni, oof Pronced Press Bidg. James F., Campbeller, prest., Frank Bartett, seey. W. W. Braden, treas., F. W. Griffin, mgr. and Supt. Cap. 848, 8,000,000. Buckeye and Diamond, beschier. Open pit, steam.

La Prairie IN. 386

Columbus Mining Co., St. Paul, Minin, out Proneer Press Bidz. Alten W. Thurman, prest. Frank Bat-rett, seey, and mgr., W. W. Braden, treas. Cap. 8tk, \$2,000,000. Thurman, bessemet. Shatt, steam,

#### IRON (CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PEINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MIND. KIND OF ONE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2:00 FOUNDS, KIND OF POWER USED, HARD FURNACE, ETC., AND NAME, OF MINE SUPERINTESDENT.
Town And	COUNTY.	
La Praine :	tasca ud. (	Hoch-Hoching Iron Co., 8t. Paul, Minn., 601 Pioneer Press Bldg. J. H. Baker, prest.; C. F. Nester, seey, and treas. (ap. 8tk. §1,000,000. Lancaster, bessemer. Steam, J. H. James, supl.
McKinley (P. O. Dulut	8t, Louis h) Ry, 230.	McKinley Iron Co., Dulath, Munn., 14 Evchange Bldg. Win McKinley, prest.; A. G. McKinley, seey, and treas., Dimean McKinley, mgr, and supt. Cap. stk. \$5,000,000. McKinley Mine, bessemer, soft hema- tite. Shatt, 100,000 tons.
Merritt Ry, 230.	St. Louis	Bessemer Iron Co., Duluth, Minn., 33 Exchange Bldg. Geo. H. Claypool, prest,; Edward C. Jones, seey.; Wm. B. Silory, Irens., L. J. Hopkins, mgr. Cap. stk. \$1,000,000. Bessemer. Shaft and lunnel/devejopings. E. H. Jones, supt.
**		Clucago Iron Co., Duluth, Muna, 703 Palladio Bldg. O. D. Kinney, prest., P. S. Bemis, seey.; J. T. Hale- treas., Jas. Billings, vprest, and mgr. Cap. stk. \$5,000,000. (Developing.) N. F. Johnson, supt.
		Cincinnati Mining Co., Duluth, Minin, 603-610 Lyceum Bldg, Ja's, T. Hale, prest.; Frank Cox, sery.; Morris O Brooks, treas. Cap. stk. 83,000,000. Cincinnati, bessemer. Open pit: steam (developing), F. Florada, supt.
**		Hale Iron Co., Duluth, Main., 211 Chamber of Commerce. Jas. T. Hale, prest, and mgr.; Jesse Norton, seey., B. T. Hale, trens. Cap. stk. 83,000,000. Hale, bessemer. Open pit (developing). E. Florada, snpt.
**		Iron Chit Mining Co., Duhuth, Winn., 292 Palladio Bildg. Henry Keller, prest, and treas.; John R. Homes, seey., Edgar Brown, mgr. Cap. stk., \$3,000,000. Iron Chit, red hematite. Shatts, steam. Edgar Brown, supt.
5.4		P. L. Kimberly, Sharon, Pa. Biwabik, bessemer. Open pit. steam.
**		Towanda Iron Co., Duluth, Minn., 217 Chamber of Commerce. J. T. Hole, prest., C. S. Morrow, sery,; B. T. Hole, treas., John Sullivan, ingr. and supt. Cap. 8tk, 83,000,000. Towanda, bessemer. Open pit. hand.
Mesaba Ry, 230.	St. Louis	Aurora Iron Co., Duluth, Minn., 763 Palladio Bildg., Geo, N. Bissell, prest., P. 8, Beinis, seey, and treas.; James Billings, mgr., Cap. 8tk, \$3,000,000. Aurora., W. A. Brandorr, supt.
**	**	Biwabik Mountain Iron Co., Dubuth Mum , Fargusson Bldg Leonidas Merratt, prest , E. H. Hall, seey, and treas , John E. Merratt, mgr. Cap. stk. 83,000,000. Biwabik, besseiner. Open pit. John G. Cohoe, supt.
**		Great Northern Mining Co., Duluth, Minn., 563 and 504 Palladho Bldg. Alired Merritt, prest., G.L. Robbins, seey., E. T. Merritt, treas., J. A. Nichols, nigr., and supt. Cap., 8tk, 83,500,000. Shatt and open pit; steam developing.
	**	Fron Belt Mining Co., Ouluth, Minn., 419 Lyceum Bldg. Cap. stk. \$1,000,000. (Developing.)
**	**	Lake Superior Fron Co., Duluth, Minn., 449 Lyceum Bidg. W. F. Mattes, prest., A. J. Trimble, seey.; Peter Deys, treas., Frank Hibbing, mgt. Cap. 8tk, 85,000,000. (Developing.)
		Lattle Mesaba Iron Co., Minneapolis, Minn., 422–425 Lamber Evchange. R. W. Cavenaugh, prest., E. P. Bodge, seey, and treas., Geo. H. Dodge, nigr. Cap.stk, 83,000,000. Red hematite, besseiner developing c.
**		Mesaba Iron Co., Duluth, Minn , 402 W. Superior st. Alex, Ramsey, prest., W. W. Spalding, seey, and treas—Cap, 8tk, 83,000,000. Magnetic and hematite (developing).
**	••	Oncota Iron Mining Co., Unluth, Minin, 302 Palladio Bldg., F. W. Merratt, prest., Grant Wyatt, seey., E. F. Charke, trens., John Fraser, nigr., and supt. Cap., 8tk, 81,500,000. Oncota, (ed hematite. Shait) hand developing.
		Republic Iron Co., Duluth, Minn., & Fargusson Bldg. P. M. Graft, prest., F. W. Eaton, seey., John G. Brown, treas. Cap. stk. 85,000,000. Republic, hematite. Open pit. R. H. Fagan, supt.
		Shaw Iron Co., Duluth, Mann., 548 Chamber of Commerce. Alfred Merratt, prest., A. J. Taleon, sect., A. R. Merratt, treas., Capt. J. Carbis, mgr. and supt. Cap. stk, 85,000,000. Shaw, red hematile, soft developing.
		The Swedish-American Iron Co., Duluth, Minn. C. A. Smith, prest., N. A. Linderberg, seey., John Peterson, Ireas, and mgr. Cap. 8tk, 82,000,000. (Developing.)
Morse (Not a P O		Central Vermillion Fron Co., 8t. Paul, Minn. Albert Scheffer, prest., C. W. Cox, secy, and mgr., Edward J. Hodgson, freas. Cap. 8tk, 8800,000. Central Vermillion. 8hatt, 70,000 tons; steam.
Tomar	St. Louis	Notice a Tran Co. Dututh Mun. 115 and 117 F. Superior st. Christian II. Onnel prest, new and sunt :

### MANGANESE

St. Louis - Nebewa Tron Co., Duluth, Munn., 415 and 417 E. Superior st., Christian H. Oppel, prest, nigr., and supt., Herman H. Oppel, seey, and treas. Cap. stk. \$2,000,000. Nebewa, hard ore, Shait and tunnel olevel

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT

Tower Ry, 230.

AND CHENTY

NAME OF COMIANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNALO OFFICES, OTOS OF 2009 FOUNDS, KIND OF POWER USE, BLAST FURNACES, ETC., AND NAME OF MINE SUFFRINTENDEST.

Monticello Wright J. N. Stacy, & Co. J. N. Stacy, prest, and nogr., Arthur 8 Stacy, secy, and treas. Cap. \$5,000. Monticello, Ry, 200. black oxide of managanese. Open pit developing .

### STONE, MARBLE, GRANITE AND ONYX

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

Northern Stone Co., Chicago, 1ff., 565 Chamber of Commerce 18dg. Win, T. Reynolds, prest., Lewis

OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED, STONE OR MARRIE MULLS, LIMERIENS AND	
TOWN AND	COUNTY	Capacity, Etc., and Name of Mine Superintendent.	
		•	
Duluth Ry, 386,	St. Louis	Duluth Brown Stone Co., Room 7 Eveliange Ridg. John H. Crowley, prest, and mgr., W. W. Davis, seep, and treas. Cap. 8th, 80,000, sendstone, open pd. 17,500 tons, horse. Peter Chellored, supt. (quarry in Dong face county, Wise).	
dasper Ry, 87, 293,	Pipe Stone 143.	Somy Valley Stone Co. J. M. Poorbaugh, prest, and mgr., J. M. Backel, seey., C. L. Joy, treas. Cap., Stk. 81,00000, Jasper, Pipestone, Garretson and Bayfeld Quarries, gray granife. Stopes, 40,000 fons, steam, potisher and crusher. C. W. Poorsbaugh, supt.	
Kasota Ry. 143, 150		C. W. Babeock X to.   Cap. 875,000.   Kasota, purk limestone.   $\#5,000$ tons, $\#$ mill.	
	**	Matt, Breen Stone Works, St. Paul, Minn., 64 and 65 Germania Life his, Bldg. Hos, M. Breen, propt., Cap. 80,000. Kasota, limestone. Open pd., 20,000 tons. steam, mill. David O. Alexander, supt.	
Little Falls Ry, 529.	Morrison	Fordis Avera". Little Fulls Gramite Quarty, gramite. Horse, mill.	
N. Sioux Falls Ry. 87, 134	Pape Stone	North Sony Falls Stone Co., Sony Falls, S. Dak, Amilhall Blk., T. R. McMartin, prest., W. G. McKennam, seey, Heas, and mgt., Cap. stk. 800,000. North Sony Falls Stone Quarty, Jasper., Open pit, steam, F. H. Capes, sind.	

Reynolds, seev., chas, Reitermain, treas, cap, stk. ssuore. Northern, hasper stone. Open pit and slope, 8000 tone, steam.

Orionville Ry.141.

Big Stone James Bayter & Son, Manneapolis, Main., 235 Adhach.av, S. cap 850,000, Ortonville Red Granite Quarry, red grande. Slope, 10000 tons, steam, noff.

Ry.141, red grande Stope, 19,000 tons, steam, and!

Pipe Stone - Pipe Stone Quarty Co. L. H. Moore, picst. H. I. Cornett, seey and treas. I. Moore, mgr., Stone. Open. Ry. 87, 144, 143, 293.

put, hand and horse.

Red Stone
P. O. and Ry New Hed Stone Quarry, grante
Ulm 150.

Tim 150.

8t. Cloud Stearns Library and Capacity and Capa

Matt Breen Stone Works, St. Phof. Many seland of Germania Lite Ins. Both. Thomas M. Breen, property of the property of Many Sol. Breen. Phof. Sol. Phof. Sci. Many Sol. Breen. Phof. Sol. Committ. Steam

" Minnesota State Retormatory D. L. Myers, supt. Minnesota State Retormatory, Quarty, red and gray grander.

193
Wasinta Budge Wasinta Stope to a Dong Centre, Main Prans, A. Davantest, W. B. Parsons, so v. and treas, J. A. Ba, 144
Greath, 1621 Cap. its source Taine stope, formations have a few W. Harter, supt.

SEE ALSO SUPPLEMENTARY LIST

# MISSISSIPPI

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF STR.
OR PLANES.

RAILWAYS WATER ROCTES
AND SHIPLING POINT

LOCATION OF MINE

NORTH COMMANY OR INDIVIDUAL, USATION OF EMBORNA OFFICE NAMES OF OFFICES CATES IS NORTH OF MINE ORDER ORDER OF THE STATE OF

Vickstorig — Warren Guiring Geavel Payageo, J. H. German, prest (Good B. Rigov seev analysis). Jos. P. Rev. (2018), Rv. 406, 458, 556. — Capesty, Saviery Guirin (gr. 2019). Open y 3. Steam and hand allow span.

# MISSOURI

#### BARYTES

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PHINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK.

COUNTY

LOCATION OF MINE.

RAILWAYS, WATER ROUTES

Blackwell St. Francois, Hawkins & McGready, Cap. \$10,000, Barytes, By. 714.

Osage City

286

Cole, R. M. Marshall, Tuscumbia, Mo., Batytes, Slone, 2,000 tons, hand,

Ry. 461 Spring Garden Rv. 460.

Miller, E. A. Becker, Barytes, Open pat, 2,500 tons, horse; hand, T. Gaither, supt.

### COAL-BITUMINOUS

NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, AND SHIPPING POINT. COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT. Town AND COUNTY . Bates - Blue Lick Coal Mining Co., Kansas City, Mo., 5 Bunker Bldg. Cap. 81,000. Crescent, Oak Ridge. Stope, open pit, 50,000 forse, Torse, George W. Bozzell, supt. Amoret Ry. 352. Hocker Co. Brayton, Open pit, 1,700 tons, horse, steam. J. B. S. Dunn, supt. Arcadia Aron S. E. Marshall (local), Cap. \$200. Peacock coal. Open pit, hand, Ry, 460. Arrow Rock Saline Frank Alexander cheat. Flat Creek. Open nit 200 fons Ry. 461.

Arthur Aernon Frank Williams & Co., Cap. 88,000. Arthur. Open pit. drift, t1,000 tons: horse. Frank Williams, supt.

By. 460.

La Payette, E. P. Crumody, Cap. \$1,000 (local). Authythe. Store, 240 tons, hand,

Aultville By 460.

S. J. Fitzgeral, Cap. \$1,000. Slope, 300 tons; horse,

Beyner Ry. 305. Macon Bevier Black Diamond Coal Co. W. H. Loomis, prest, and seey., W. S. Watson, treas, and mgr. Cap. stk. S100,000. Bevier Black Diamond. Shatt, 9500 tons, steam. L. Bradford, supt. Loomis Coal Co., W. H. Loomis, prest, and mgr., L. J. Loomis, seey, and treas. Cap. stk. \$500,000. Shaft, 200,000 tons, steam. Thomas Francis, supt.

Oakdale Coal & Mining Co., St. Joseph, Mo., 168 S, Seventh St., J. W. Atwill, prest., treas, and mgr., C. F. Atwill, seey. Cap. stk. \$15,000. Oakdale. Shatt, 51,550 tons, steam. J. D. Collins, supt.

Watson Coal Mining Co., W. S. Watson, prest, and treas., E. F. Bennett, seey.; J. W. Watson, mgr. and supt. Cap. 8th, \$25,000. Watson. Shaft, 36,000 fons, steam. Bates Bates County Cooperative Coal Co., Amoret, Mo., N. Wallace, prest., S. P. Demming, seey., J. C. Rankin, 1352. treas. Cap. stk. \$10,000. Birch City. Shaft, 30,000 tors, steam. W. H. Grischele, supt.

(P.O. Amoret) Rv.352. Blackbard

Putnam Blackbird coal Co. C. W. Lane, prest, Geo. W. Jordan, seey, and treas., Win. Love, mgr. and supt. (433.——Cap. stk. 820,000.—Shatt, 8,400 tons, steam.

Ry. I monville 133. Boony ille Ry, 459, 460.

Cooper Missouri Valley Coal & Mining Co. (C. E. Andrews, prest., C. J. Burger, seey., treas, and mgr. Cap. 825,000. Missouri Valley. Shatt, 8,000 tons, steam. J. Rich, supt.

Boston

Barton Ephraim Stukey (local) Open pit, 69 tons, hand, horse,

Ry 460 Bronaugh

Birch City

Vernon, J. C. Lucas, Cap 82,000, Vernon, Open pit, 3,500 tons, horse, hand, L. M. Lucas, supt.

Ry 460 Brookneld

Linu Bernard Schaefer clocal), Cap. \$1,200. Schaefer: 1.515 tons, horse,

Ry. 305.

Plenty Dunlay Coultry, R. P. Dunlap, seev. Shatt, open, 350,000 fors, horse. John White, supt

Brownington

Brown's Station Ry 784.

Boone, Isaac R, Davy, Jocaby, Open jut, trotons, hand,

Brush Hill dohnsor P. O. Dunksburg (Ry La Monte 400.

Johnson, George W. Strickland, Jocal). Tunnel, 102 fons, hand,

Copper A Palmberg (local) Cap. \$10,000. Stephens. Shatt, 3,000 tons, horse, Bunceton Dx 460

€.allionin Tiv. 460.

iwm & Londa, A. P. Fonda, prest., James Lenartz, seey., Henry Baldwin, treas. Cap. stk. \$40,000. Gedney. Shatt, 50,000 tons, steam. John Cohal, supt. Henry Baldwin & Londa.

Camden Ry 26, 784 Boyard-Brown (cal Co., Kansas City, Mo., 2114 Grand av., Benjamin Lusk, prest, and treas, J. Q. Brown, seeg., Geo. H. Lockwood, mgr., Cap. 8tk, \$18,000, No. 3, Shaft, 1,500 tons, Steam, W. H. Teegaritin, supt.

William Hensley Jocata, Cap. 8500, Craven. Shaff, 500 tons, steam.

Richmond) onl Co., Richmond, Mo. J. S. Hughes, prest., H. M. Hughes, seey., G. A. Hughes, treas. Cap. 8tk, \$100,000 - Camden. Shatt, 75,000 tons, steam. John Gibson, supt.

# COAL BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, Annual Output in Tons of 2,00 Pounds, Kind of Power Used,
	ND COUNTY	COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.
Carbon Cent Ry, 348.	er Vernon	$E, N, Hurst (local), -Cap, 80, 500, -Banyham, -Open pit, 50 lons, hand, -J, B_0 Salsman, supt. \\$
		Salsman & Scott, Cap. \$1,000. Carbon. Open pit, 6,000 tons, hand, J. B. Salsman, supt.
Cedarville Ry, Gold	Dade en City 348.	William Brown (local) (tap \$1,600) Shoemaker, Slope, open pit, 600 tons, hand
Centralia Ry, 145, 7	Boone	Henry Oldham. Scullick. Shatt, 599 tons., horse.
		Wiley & Sons (local). Shaft, 400 tons, horse Frank Wiley, supt
Clinton Ry, 348, 3	. Henry 53, 459	B. L. Owen, (cap. 850). Shatt, 0.75 (ons., horse,
Coalsville Ry, 784.	Schuyler	W. F. James, P. O. Box 775. Cap. 810,000. Slope: $C/C$ Cox. supt
**		A. Mock & Bros. (local) - Cap. 8200. Tunnel, Qu tons. hand
Columbia Ry, 784,	Boone	B. S. Benefiel (local) Slope, 1,200 tons, hand, horse,
**	**	James W. Gaither. Cap. 81,000. Draft, open pit, 500 lons, hand
**		W. A. Goodding, local at ap. 84,600 Shaft, 4,800 tons, horse. The wh Morgan, supt
**	**	D. W. B. Kurtz, local . Slope, soctors, horse
Concordia Ry. 60.	La l'ayette	A F. Ktesse [local], Slope, loo tons,
Corder Ev. 145.	La Layette	Conder Coal & Coke Co., P. M. Gaw, prest., H. G. Smith, seev., ingl. and sapt., V. L. Alsbury, trea Cap. 8th, 85,000., Corder., Shatt, 85,000 lons, steam.
Cretcher Ry, Mars	hall 145	Esthet Piltman Jocals Slope, hand
**		A. Van Buskitk   Joeal   Tunne!
Dantorth Ry, 613.	Adair	Pennsylvania Coal Co., Kirksva?e, Mo. II. C. Metahan, mgr. Danforth. Shaft, to,000 tons, stear John Dawson, supt.
Deepwater Ry 348.	Henry	W. S. Dickey Clay M12 Co., Kansas City, Mo., 800 New York The Badg. W. S. Dickey, prest., K. Dickey, seev. A. T. Dickey, mgr. Slope, 50,000 tons, steam, electricity
**	**	2 W. Hurst, Cap 82400 Cooper Creek Slope, shatt, 4,600 fors
	**	Keith & Perry Coal Co., Kansas City, Mo., 20. Walnutst, Jr., H. Keith, prest, J. J., Riley, seep David Mackles et , treas and sapt. John Perry v. prest and mgt. Cap. 8th 8800,000. Shatts, 170,00 form, seem.
Dover Ry, 460,	.La l'ayette	Dover coal to, Levargion, Mo., Lifton Davis, prest, treas, and mgr. II McLanghim, seev. Cap. 85 (1999) Dover. Draft, 2000 four land
Dunksburg Ry La M	Pettis	Thomas Seatam (local — Open pit, 200 tons), ban l
Eldon Ry 460		C. B. Burnham Jocata, St. Louis, Mo., 629 North Second st. 14469 - Sope, 428 tons, horse - Louis Rusi supt.
Elko Ry, Unio	Putnam nville 133,	Martin Pherigo (local). Tunnel, s2 tons (hand)
Elston Ry, 460.	Cote	George H. Leuch, (Cap. 81.50). (Eastern Shatt, 2000 Cors., Torse)
Esrom Ry, Lama	. Barton ir 318, 460.	O. C. Blacker, Jonal — Open, 550 tons, horse,
Foster Ry. 60.		$\lambda$ Skillman. Open p.t. 7.50 tons. hotse and hand
**		Western Coul & Mining Co., St. Louis, Mo., Sixth and Louisfests. This into odd, prest. Do. S. H., Smith seey, and Treas, R. M. Webowell, a prest and gen. ingt. Cap. six \$1,000,000, No. a. Shatt, slope Topogetonia, steam. W. B. Williams, sind.
Fulton Ry 145.	+ allaway	Win Castle local): Cap. 81,000. Slope, 1,000 tons. hand
		A Highs & Co., Cip. 8 (00). Creas. Stiff, 4,272 fons, the se-
		John Harris, Cap 81,000. Shatt, 20,000 tons, horse
**	**	A Holmes Joral - Cap 8506. Tunnel, 2000 tons.
**		Samuel Mayenek Joeal : Cap. 8200. Carbon Valley. Drut, 1,000 tons, Forse
**	11	James Smith. Cap 815,000. Tunnel, 4,000 tons, horse,
Guthrie Ry, 145.	Callaway	R. M. Henderson, locally, "Criswell", Daniel, 50 tons, hand,
Hamilton Ry. 303, 3	+ aldwell	Caldwell Coal Co. F. B. Hayden, prest. C. V. Dodrick, seey and freis. Wim Had in 2000 to stk, 850,000. Caldwell. Shatt. 24,000 tons, steam.
	**	Hamilton Coal Co. R. S. Cash, prest. Ralph Booth Sery, John N. Morton, treas. Co. 8th, 825,000 Join Creek. Shatt, 6800 fons. Steam. Joseph Metonit, supt.
Hardin Ry. 26, 78	Ray	Fred Buchlunger local Kellenburger Tunnel, ss. tons hand
		H. A. Dickson & Son (local — Northern — Shart, 1970) tons —herse

		COAL-BITUMINOUS (CONTINUED)
LOCATION OF M RAILWAYS, WATER AND SHIPPING I	ROUTES	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, annual Octifft in Tons of 2,001 Potnis, Kind of Power Used, Coal Breakers, Washers, Coke Ovens, and Name of Mine Superintendent.
10WN AND	COUSTY.	
Hardin. (Continue d	1.1	Joseph Huston (local). Hardin. Drutt, 261 tons; hand.
	**	William Phillips (local). Drut, 152 tons: hand.
Harrisburg Ry, Sturgeon	754.	T. H. Blakeman (local). Open pit, 120 tons, hand.
Higber By, 145, 459.	Candolph	Higbee Coal & Mining Co. A. J. Lessley, prest., S. Lessley, secy, and treas., Win. Walton, mgr. and supt. Cap. 8tk, \$50,000. Higbee. Shatt, 51,000 tons; steam.
	**	Interstate Mining Co., John S. Elliott, prest.; Win. Walton, seey, and supt.; John Cosgrove, treas Cap. stk. \$50,000. Interstate. Shaft, 100,000 tons; steam.
Higginsville La Ry. 145, 460.	Fayette	J. D. Bruce, Kansas City, Mo., 1204 W. Eleventh st. Cap. 85,000. Planters. Shaft, 12,000 tons; horse, Matthew Breckenridge, supt.
	**	Excelsior Coal & Coke Co. 8, B. Whiting, prest., A. E. Asbury, seey, and treas., J. H. Campbell, mgr. and supt. Cap. stk, 85,000. Excelsior. Shaft, 15,240 tons. steam.
		Hagood Coal Co. J. B. Hagood, prest.; J. E. Gunn, mgr. Cap. 8tk, 81,800. Hagood. Shaft, 6,000 tons: horse. James Gilkey, supt.
44		Hawkins & Smith. Cap. \$2,500. Shaft, 4,000 tons, horse. John Hughes, supt.
		E. Huffman (local). Slope, 200 tons, hand.
4.	**	Stealy & Fowler Coal Co. Shaft, 20,000 tons, horse,
**	**	J. E. Wilks, Cap. \$3,000. Hawkins, Shaft, 4,000 tons; horse, John Hughes, supt.
	**	Winsor Coal Co., Lexington, Mo., 109 Main st. Cap. \$30,000. Winsor. Shatt, 25,000 tons; steam. H. W. Winsor, ngr., and supt.
Hume Ry, 348, 352,	Bates	E. H. Thurman (local). Open pit, 2,200 tons, horse,
	tandolph	J. S. Bark (local). Slope, horse,
	**	E. Edwards (local). Drift, hand.
**	**	T. M. Elmore, Cap. \$7,000. Shaff, 20,000 tons, steam.
**	**	John Lowes. Tunnel, 1,995 tons, hand.
	**	Randolph County Coal Co., John Breckenridge, propr. Cap. stk. \$39,000. Randolph. Shaft, drift, 100,000 tons, steam. J. W. Pattimore, supt.
		James B. Reach. West End. Slope, 455 tons. J. W. T. Rucker, supt.
**	**	Woodard Coal & Mining Co. G. H. Shields, prest., E. J. Bedford, mgr. and supt. Cap. stk. \$50,000. Woodard Shatt, steam.
Jerico Ry, Fair Play	Cedar 348.	John S. Cole (local). Cap. \$1,009. [Out], 1,000 tons, hand.
**	**	A. B. Davis (local). Tunnel, 150 tons, hand.
Kansas City Ry. 26, 145, 14 348, 351, 352 355, 460, 461.	Jackson 1, 142, 305, , 353, 354, , 776, 784,	Kansas Caty Cay & Coal Co., Room and American Bank 19dg. William Vineyard, prest. J. W. Perry seev, and treats, doin V. Gallaber, vprest., mgr, and supt. Cap. 8tk, \$100,000. Kansas City. Shaft steam, electricity adeveloping).
Kirksville Ry.613,784		D <sub>2</sub> C, Scott (local). Hazel Creek. Shaft, 900 tons, horse,
Knobnoster Ry. 400.	Johnson	Thomas II Boyd & Sons. Cap. Sto.co. Shatt, 7,000 tons, steam.
		John F. House. Cap, 85,000. Torse Clearfork. Slope, 200 tons, horse.
Laddenta Ry. 145.	Andrain	C. P. Easthom (local). Shatt, 75 tons, horse,
	**	Owen Lynch (local). Shatt, 650 tons, horse,
Lamat 1(y48, 40).		Wilson Clark. Cap. 81,500 Slope, 10,050 tons. J. H. Beker, supf.
	**	George Glaze (local). Open pit, horse, hand.
**	**	Kimball & Geivett (local). Open jot, 200 tons.
**		Basil D. Hays (local). Cap. 8200. Tunnel, 80 tons, horse.
*1		O. Peterson (local) — Drift, open pit, 50 tons, horse.
		M. M. Spear (local). Open pit, 450 tons, horse, hand.
		Matthe B. Spring (local). Tunnel, open pit, 30 tons, hand.
	**	A. C. Sturdevant. Cap. 86,000 Open pit, 250 tons, horse, hand.
Lewis Station Ry 450.	Henry	Cooperative Coal & Mining Co., L. W. Good, prest, and mgr.; John Good, seey., H. P. Faris, treas. Cap stk \$10,000. Cooperative. Shatt, 20,000 fors, steam. J. A. Johnson, supt
		D. B. Pigg Coal & Mining Co. (Cap. 8th 85,000). Deat, 5,900 fors, hand.
		Tebo ( oal ( o. W. C. Bronaugh, prest; John Bowen, seey), F. W. Bronaugh, treas., R. Bowen, mgr and supt. ( cap. stk. 85,000
Lexington L Ry 26, 460,	a Fayette	Refl.X Greer, Cap. Sin.000. Tunnel, 4.00 (tons, han l., W. H. Greer, supt.
		Thomas Clark (local), Cap. 82,000, Clark, Drift, 4,800 (ons., hand, Thomas Kelley, supt.

# COAL-BITUMINOUS-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROTTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MISE, ANNEAD OFFICET IN TOSS OF JUST FORDS, KIND OF FOWER USED, COAL BIERKERS, WASHELS, COSE OVERS, AND NAME OF MISE SCHEINSTEINERY.

Town AND		NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF JUITPOUNDS, KIND OF FOWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUFERINTENDENT.
Lexington.	LaFayette	Kelley Coal Co. (local). Slope, 500 (ons.) horse. F. G. Kelley, supt.
(Contin	ma,:	Joe Kist (focal). Kist. Tunnel, 1,000 tons; hand,
••	"	Lexington Coal Mining Co., St. Louis, Mo., Equitable Edd., Felwin Gould, prest., D. S. H. Smith, seev, and treas., R. W. Webowell, fugr., Cap. stk., Stonoto, McDowell, Riverton and Fothers, Shart, drift, Gonotonos, Sciambourg, Indianal, M. W. Serad, supt.
		J. C. McGrew, Cap. 800,000. Drift, shaft, 20,000 tons, steam. Win. Parks, supt.
•		Henry Macey, Kansas City, Mo., 1639 Baltimore av. Cap. 820,000. Tunnel, 17,700 tons, hand. Joseph Ferry, supt.
		Missouri River Coal Mining Co., J. R. Saver, prest, treas,, mgr, and supt. Cap. stk, 80,000. Salver mme, Shaft, 1,000 tons, steam
**		Mortison Bros. (local)   Cap   81,000   Druft, 3,500 (cns.
		Thomas Walton, Cap. 83,000. Walton, 1949, 4,000 tons, hand. Samuel Spruce, supt.
Liberal Ry 348, 160	Barton s	Liberal Coal Co., J. G. Todd, prest, inge, and supt., J. H. Todd, seev., Wm. D. Thompson, treas. Cap., 84k, 845,000, 4ndy, cap. 81,000. Liberal. Tunnel, 12,000 tons, horse.
	**	W. H. Lucas [local]. Draft, so tons, hand
	**	H. J. Whitesell. (ap. 820.000). Open jot. (5.00) tons
Lingo Ry, 305.		Little Pittsburg Coul Co., Kansas City, Mo., New York, Lite Bidg. C., D. French, prest., J. II, Owens, seey, and treas. Cap. 5tk, 800,000. Shatt., V. G. French, supt.
McCredie Ry, 145.	Callaway	J. S. Henderson, local - Henderson, Shatt, toctons, horse, Philip Reynolds, supt.
**	**	Reynolds & Affen Jocal Shaft, 600 tons, horse
Mayyiew. By 145.	La Fayette	Marylew Coul Co = 0.49  stk. 85 (co. 86)  Strasburg. 86) int. 5,600 tons. steam. 4. c. Wilson, mgr. and supt.
Mendota By, 133.	Putnam	Mendota Coal & Mening Co. P. H. Kelchum, prest., H. B. Scott, serv. and treas. Cap. 8tk, 81000 (1) Mendota, Slope, 150,000 fors. steam. B. H. Johnson, supt.
		Pearl Coul & Maning Co., St. Joseph, Mo., 1961 Ftederlick av., Cap. stk., 85,000   Pearl   Shatt, 10,000 forshorse. How E. Price, and, and supt
Malan, Ry, 135, 61.		Malan Land & Coul Winfig Co. T. Rober prest (Green) P. Collins, serv. John S. Poole, treas. Cap. 8th, 815000. Whan Shaft, Cooperens, steam. Damed Recomming sept.
Millord By Lamai		J. W. Dixon. Dixon. Tunnel, 300 fens. hand, horse.
**		W. H. Petry (beat = 1)and hand.
		G. G. Ryan Josef Chemick hand
Millo Ry 460.	Vellion	W. F. & B. J. Petry focal Copen p.t., 1960 Class of a c. B. I. Fetty said
Minden Mines By 348, 460	Barton	Wear coal Co., Topeka, Kan J. 10 W. S vth st. 4, 47 Wear, prest. 4 G. Wear, v prest. A S Wear, seev. Cap. 8th 850,000 No. 1 Stort Journal of six sterm. A R Kirkwood, supt.
	**	Western Cod & Mining Co., St. Louis, Mo., Saxth and Footal et s., I dwin Gould, prest. D. S. H. Smith, serv and Brass, R. M. McDowell, v. prest, and gen. mag. Cap. 83, 85,000,000. Maiden, Nos. 1 and J. Shatt, slope, Roometons, steam. J. cada Laire, sopt.
Moundville By 160	Vermon	John Brown, Open pit, Loid tons
		J. M. Devote X to straip stk strong Shaft, footors of iso of M. Devote supt
		John Moore Joeal Moore Open pit, Joetons, hand
		W. T. Powell, Joral - Powell - Shatt, horse
Mt Carinel Ry Vanda Napoleon	h i 145.	O. J. Detrenne, local — Shatt, too tons, horse
Ry 460. Nashville		Adpoleon Coal & Minang Co. I. L. Williamson, prest. S. Gates, t. cas. (J. II. Duffendack, mgr., Cap., 8tk, 88000). Gates, Shaff, 12800 John, C. Terguson, Sept., p. Gregoria, p. Gregori
Ry, Opedis.	Ivan 720.	and the English Color bar, and talls, make the three fastings of the
Norborne By. 26, 781.		Hattwel, Arnold & Co., local — Cap. stk. 8,9990. R. shydle — Sopel Societors, hand "J. W. Latnet, high and supt
North Ity, Clinto Fo.	m als, 6c.	Woods, A. North Con, Con, Kansas Cay, Mod Lengerth steam, Proc. av. M. G. Man express. W. S. Woods, serv. and mgt. (L. J., Tygard, free). Cape six Shiboto abstrain. Shart: steam. Roland Thomass supt.
Osecola By als, sta	~t. c bur	Witham Watkins [local] doluison, Stope, 18 tons [hand]
Perche Ry, Sturge	on 7×4	J. W. Stone docal — Open pd. 50 tons
	London 71%	E. S. Boulware [local] Oben pit, 289 fors [hand,
	**	J. S. Evans, local — Dannel, open p.t., h o sc., hand
	**	John Russell Joerf., Russett Open pat, 24) tons. han f

Petsia Boone W. V. Stalham book Stope, 200 tons hand F.O. Harristong By Storgeon 584.

# COAL BITUMINOUS (CONTINUED)

LOCATION OF RAIL WAYS, WATE AND SHIPPING	POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 FOUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUFERINTENDENT.
Tows AND	COUNTY	
Persinger (P O Columb	Roone da (Ry.784	Columbia Coal Mining Co., Columbia, Mo., A. Rees, prest., M. W. Rees, seey, and treas. Cap. stk.\$10.00 Persinger. Shaft, 12,000 tons. horse. T. Rees, supt.
Quitman Rv, 354.	Nodaway	R. Harris, Cap. \$5,000. Shatt, 175 fons; horse,
**	**	W. R. Holt and others, Slope, funnel; horse, hand,
**	••	Kessinger Co. Cap. stk. \$5,000. Farmer. Shaft, 1,200 tons. horse.
		G. W. Nelson (local). Collins. Slope, 160 fons.
	**	Nicholas Bros. (local). Shaft, 1,200 fons; horse,
	**	Pearson Bros. Cap. \$1,000. Pearson. Slope, 1,000 tons, hand.
	**	N. Roberts, Quitman, Shaft; horse,
tandolph Ry, 141, 305,	Clay 784.	Randolph Coal & Gas Co., Kansas City, Mo., seventh and Wyandotte sts. E. L. Martin, prest., Oliver C Hulchinson, seey, and mgr.; M. B. Wright, treas. Cap. stk, \$200,000. Randolph. Shatt, 52,500 tons steam; hand. Morgan Mercelith, supt.
tenick Ry. 784.	Randolph	Remek Coal Co., S. M. Forrest, prest., J. A. Maxwell, secy.; J. R. Miles, treas., E. L. Hubbard, mgt and supt. Cap. stk. \$10,000. Remek. Shaft, 5.50) tons, steam, hand.
Reh Hill Ry, 348, 460		R. E. Allen, Cap. 83,000. Slope, 4,670 (ons., hand.
**	**	Wallace Bruce, Cap. \$10,000. Slope, 20,000 tons; horse,
**	**	Keith & Perry Coal Co., Kansas City, Mo., 905 Walnut st. R. H. Keith, prest.; E. E. Riley, seey.; David Mackie st., treas, and supt., John Perry, vprest, and nigt. Cap. stk. \$800,000. Shafts, 150,000 tons steam.
	**	Rich Hill Coal Mining Co., St. Louis, Mo., Sixth and Leenstests. Edwin Gould, prest., D. S. H. Smith seey, and treas., R. M. McDowell, v-prest, and gen, m.gr., Cap. 8tk, 850,000 - Rich Hill. Shatt, drut 550,000 tons, steam, Joseph T. Readey, supt.
	**	J. M. Scawell & Co., Kansas City, Mo., Eighth and Wyandotte sts. J. M. Scawell, prest, and ingr., M. Allen, seey, and freas. Cap. stk. \$20,000. McComb. Open pit, 12,000 tons; hand. S. M. Talbot, sup.
tichmond Ry. 26.	Ray	Darneal Coal Co., Cap. \$15,000. No. 10. Shatt, 24,000 tons; horse. John W. Hubbell, supt.
	**	William Pence, Cap. \$800. Black Diamond. Shaft, 2,400 tons, horse,
		A. F. Rankin & Co. Cap. 8tk, \$5,000. Slope, 11,520 tons; horse,
**		Richmond Coal Co., J. S. Hughes, prest. H. M. Hansen, seey., G. A. Hughes, treas. Cap. stk. \$100,000 Richmond. Shaft, 75,000 tons; steam. John Gibson, supt.
Sedalia . Rv. 450, 460	Pettis	Sedatia Mining & Prospecting Co., Room 27 Dempoy Bidg., J. G. White, prest., Jonathan Myers, seey, F. W. Shuff, treas., G. M. Babeock, mgr. and supt. Cap. stk. \$50,000. Bushy Valley. Shatt. slope 2,000 tons, steam.
sheldon Ry, 460	Vernon	W. G. Gonterman docal). Little Black Diamond. Slope, 329 tons, horse
slater Ry. 145	Salme	Isaac Breggs (local). (ap. 875). Slope, 200 tons, hand. Robert Murphy, supt.
**		Wm. 8, Hedger (local). Open pit, 200 tons, hand.
	**	Barney Hunter. Slope, 40 tons, hand.
		R. P. Thompson (local). Cap. \$2.500. Slope, 160 tons, hand
stabl	Adan	Harriott Bros. (local). Drift, hand.
Ry 613.		
	**	Jacob Ledford Cap. 8500. Drift, 900 fons., hand.
Stephens' Store Ry Columbi	, Callaway a 784.	W. M. Gny (local) Shaft, 250 tons; horse,
**		Wiffiam Oldham, Shatt, 240 tons, horse,
swanwick Ry. 26	Ray	Williams Coal Co., St. Joseph, Mo., cor, Sixth and Angilique sts. R. J. Williams, prest, angr. and supt John A. Ross, seey, and treas. Cap. stk, \$5,000. Swanwick. Shatt, 10,000 tons. horse.
Sweet Springs Ry, 460.	Salme	H. H. Marmaduke. Cap. 81,500. Shaft, 4,000 tons, horse. Sherman Hersley, supt.
Sylvania Ry Golden (	HV. 348	A Leonard (local). McGarvey. Slope, 6,600 tons, horse
**		Robert McCluey (local) - McCluey, Scions - Slope, tunnel, 80 (tons, horse, hand,
Thomas Hill	Randolph	R. W. Sharp (local) — Star. Slope, 600 tons, horse. Joseph Milburn & Sons. Cap. 8tk, 82,000. Milburn. Shart, 760 tons, horse.
Ry Clitton I Vandaha R: 145	Andram Andram	Vandalia coal Co., William Beyan, prest, W. R. Williams, seey., R. W. Fryar, freas., D. L. Staey, mgr and supt. Cap. 8tk, 815,009. [Shaft, 30,000 tons, sheam.]
		Vandalia Fire Brick Co. S. D. Ely, prest, J. F Coontz, seey , C. G. Damels, treas. Cap. 8tk. \$10,000 Shatt, 5,000 fons, steam. John Hobotson, mgr and supt.
Verdella Ry Taberal.	Barton   348, 160	William Jones (local). Open pit, 800 tons.
Versaitles Ry 460		Davidson(X,Neilson)(local),  Slover,  Tunnel,  A.(F.,Davidson, supt.)
		Samuel Marking Lord. Marking Short discharge Land

" Samuel Martin (local). Martin: Shaft, 200 tons, steam

# COAL BITUMINOUS (CONTINUED)

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.
TOWN AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2010 POURIS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVERS, AND NAME OF MINE SUPERINYENDENT

Victor Monroe L. Hughes (local). Cap. Sciono. Open pit, 1,000 tons. Ry, Mexico 145, 784.

Vista (81, Clair | G. A. Vannice, Vista, Slope, 1,200 fons, horse, Ry, 348.)

Walker
Ry, 459.

"Hunter Bros. Joeal. Open pit, 500 tens. horse
"Hunter Bros. Joeal. Open pit, 160 tons.

W. H. Prewitt docal . Open pit, two tons, horse, hand, Warrensburg — Johnson D. A. Bullock docal . Slope, 1,000 tons, hand

Ry, 460.

" A. W. MacRae. Slope, 1,800 tors, hand.

" M. B. Meily Tocab. Cap. 81,000. Medy. Slope, 1,600 tons, hand. Henry Alen, sept.

Warrensburg Electric Street Co., Slope, 2000 tons, hand. A. S. Kenyon, supt.

" Benjamin F. Wood, Slope, 1,500 tons, hand

Waverly Ry, 166. La Fayette Waverly Coal & Maning Co., James Grant, prest. J. II. C. cox, 2c, 8 cv. and treas. F. I. Downs, mgt. Ry, 166.

Wellington La Layette Andrew Caster Josef. Cap 82,500. Draft, 560 tons Ry, 460.

" Wellington coal to M. V. L. Met belland, prest, and mag. [1, J. Archew seey and treas, Cap sik sponger, Shaft, 5000 form, shaft, 500 form

Wellsville Montgomery Henry Whitehend Jocal , Shatt, oct ar Judsa Ry, 784.

Windson Henry J. W. Shook Socials. Henry Short, Actions 15th at the second on soci Ry, 659.

Worcester Andrain Robbins Matthew local cup 8,000 Ringer Open jet, we fold a mo-Ry, Mexico, 145, 781.

Worland Bates I. Baldwin loc.! Cap 8500 4 to Oo' Open pd. 80000 s bank Ry, 352 60.

\* Kinerid X (a) Plea auton, Kan (Cap 8,000) Kineria (8 que, open pl.), noctons (horse of dolarson supr

" F. A. Ramey oner". Ramey Sogn Antons, horse

#### COPPER

LOCATION OF MINE EXERCISE, WATER ROLLES AND SHIPPING POINT

VANDO O LOMPANO OL ISBANDICKI, LOCACIONO PERSONALO OLIPICA, NAMES OF OLIPICAS, CAPITAL STOCK
 NAMEO MINTERIMA OLIVITA (ISBANDA MINE ESSACIA OLITETERILASSO) 2 OUTONIA, KINDO OLIPICAS, PERSONALO SESTEDEN OLIVINA OSSETED AND NOMEO STEPLEMENTANIA

Tows and County

Dry Branch — Franklin W. R. Shotwell, St. Class, Mo. Copper Hollov copper, Con. (Long Co.), in Ry, 720.

# FIRE CLAY

LOCATION OF MINE OR BANK, RAILWAYS, WATER KOUTES, AND SHIPPING POINT

YAMF OF COMPANY OF EXPLAINED, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL SPORE, NAME AND KIND OF MINE OF EASY, ANYTHA OFFICE TORSOF 200 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDEN.

Christy Howell Ry, 460,

Howell Christy Fire Clay Co., 8t, Louis, Mo. Lacacie Rio. C. M. Christy, post. W.C. Motris, sery and from J. B. Clements, mgt. Cap. 8th, 8100,000. Christy, hreefay. Shatt, 25000 fors, steam. Frod. Bayless supf.

Fulton Ry 145. Callaway Auton Lite Brick & Mining Co. S. Hackelo, prest. L. U. Nickell, very. P. S. Adams, treas. Cap sfl., 875,000. Fire clay. Shatt, 25,000 Con., steam. Daylel Jones, supt.

#### IRON

LOCATION OF MINE, RAILWAYS, WYIER ROUTES AND SHIFTING FOINT.

NAME OF COMPAN OR ISDIVERGAL LOCATION OF HARMON, OF FICE NAMES OF OPPICES 1 APPEAL STOCK, NAME OF MINE KINDOF ORE, KINDOF MINE, ANNUAL OUTPICTE LONGO 2 OF FORDES, KINDOF FOWER CALL, BLAST FURBACTS, ETC., AND NAME OF MINE SUPERIORS AND ASSESSMENT OF THE STOCK OF THE SUPERIOR OF THE SUPE

Condray, 10ent Rv. Avery 720.

Dent Mulland Blast Furnace Co. St. Lono, Mo. 411 O'reest. W. H. Lee, prest. J. F. Turnet seev. Cap. stk. 80000. Hawkins, red. hematite, blue specular. Open end framel. s.B. Lons. steam. J. H. Londray, supt.

Cuba Cuba Fron's Paunt Maning Co., St. Louis, Mo., 420 Market st., J. W. Wessley prest. M. S. Barnett, see value from a Paunt Maning Co., St. Louis, Mo., 420 Market st., J. W. Wessley prest. M. S. Barnett, see value from the Communication of the front market. Open put, Introductions

#### IRON (CONTINUED)

	LOCATION OF MINE,
HAI	LWAYS, WATER ROUTES
Α	ND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. Name of Mine. Kind of Ore, Kind of Mine, Annual Output in Tons of 2,000 Pounds, Kind OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Town AND COUNTY

Iron St. Louis Ore & Steel Co., St. Louis, Mo., Fourth and Market sts. E. A. Hitchcock, prest.; O. L. Garrison, seev, and treas. George W. Crame, ngr., and supt. Cap. 8tk. \$3,000,000. Pilot Knob. Specular ore, Shatt Junnel, Steam, compressed ar. Juriance. Pilot Knob

St. James Ry. 720. Phelps E. W. James. Reed, red hematite. Open pd. 4,000 tons; hand. Henry Crawley, supt.

Salem

Dent. A. C. & J. S. Causey, Cap. 8500, Causey, Shatt, 100 tons hand, A. C. Causey, supt.

Rý. 720.

Missonri fron Co., St. Louis, Mo., 411 Olive st. H. A. Crawford, prest, and ingr.; Emerson L. Foote, seey, and treas. Summons Mountain, red hematite. Slope; steam. E. B. Sankey, supt.

Stone Hill Ry, Salem 720. Dent. W. T. Daugherty. Steam, blast furnace. E. L. Foote, sunt.

West Plains Rv. 348.

Howell D. Carson Iron Co. Cap. \$5,000. Carson, brown hematite. Tunnel, open pit, 12,000 tons; horse. David Carson, supt.

		LEAD AND ZINC		
LOCATION OF MINE RAILWAYS, WAIFE ROUTES AND SHIPPING POINT		NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,  NAME OF MINE, RINDOO ORE, KINDOO MINE, ANNIAL OUTFUT IN TOKS OF 2009 FOUNDS, KIND OF  POWER USED, SHELLERS, ETC., AND NAME OF MINE SEPERINEEDENT.		
Tows 150	County.			
Alba Ry, Cartha,	.dusper .e. 460, 720,	Alba Co., Carthage, Mo., Geo, Dennison, prest.; W. H. Bradley, vprest.; Bartlett Palmer, treas.; W. H. Seamon, mgr., Cap. stk. s10000. Alba, lead, zmc., Slope, steam., R. R. Allen, supt.		
Ash Grove Ry, 348.	Greene	Pennsylvania Mining Co. Charles S. Green, presh. D. P. Hobart, seey.; G. A. Tuisman, treas.; E. A. Hurt, mgr. and supt. Cap. stk. 850,000. Pennsylvania, lead, zinc. Shaft, horse.		
	**	Ash Grove Lead & Zine Mining Co., St. Louis, Mo., cor. Efeventh and Walnut sts. Charles W. Goetz, prest. Cap. stk. \$12,000. Lead, zinc. Shaft, 50 tons., hand.		
**		Golden Eagle Mining Co. Golden Eagle, lead. 98 tons; horse,		
	**	North & Murray. Ash Grove, lead, zinc. 460 tons, horse, steam.		
Aurora Ry 720.	Lawrence	Anchot Mining Co., Kansas City, Wo., cor, Seventh and Wyandotte sts. H. C. Lindsley, prest., L. W. Hubbell, nigr (ap. stk. \$20,000. Anchor, zinc. Shatt, drift, 300 tons, steam.		
**		M. M. Apple & Sons. Apple, lead, zinc. Shaft, horse,		
**		Berry & Co., B. A. Berry, prest., mgr. and supt., A. R. Moore, seey., E. Jordon, treas. Jayhawker, lead, zmc., Shaft, tunnel, 100 tons; horse,		
		Brinkerhoff Mining Co., Cap. stk. \$25,000. Zinc. Shart, 900 tons, steam,		
	**	T. A. Byres, Midland, lead, siheate, Shaft, 200 tons, horse,		
		Casey & Co. Lead. Shatt, drift, 460 tons, hand.		
		Cleveland & Aurora Mineral Land Co., Cleveland, Olio, W. W. Baldwin, prest, and mgr., H. J. Baldwin, seey and treas—Cap. stl., \$100,000. Lead, zinc. Shaft, 756 tons, steam, horse, C. F. Johnston, supt.		
		Wm. Coats & Co. Cap. \$1,000. Fountam Head, zinc. Shatt, steam.		
		John N. Ualby, Sedalia, Mo., care of Third National Bank. Cap. \$500,000. Lattle Bonanza, zmc. Shaft, tunnel, 1,344 tons. Steam. A. R. Dalby, supt.		
**		Diffard & Co., Cap. 840,000. Diffard, lead, zinc. Tunnel, shatt, horse,		
		Enton & Co., P. O. Box 603, Cap. 8400. Tuff Nut. lead, zmr. Shatt, 231 tons, horse, A. C. Enton, supt.		
		Goodman & Co., Cap. \$1,000 - Goodman, lead, zinc. Shatt, 480 tons, horse Johnson, supt.		
		Harry Wood, Mining Co., St., Joseph, Mo. J. M. Street, prest., H. Wood, seey, and treas.; L. D. Kelly, mgr, and supt. Cap. 8tk, \$10,000. Harry Wood, zmr., Shatt, drdt, t.00) tons; hand,		
		Johnston Bros. & Co. Cap. 85,000. Turkey Track, lead, zinc and blende. Shafts, 550 tons: horse,		
		T. J. Lales, Cup. 850,000. Liles, lead, zmr. Shatt, 0.700 tons; steam, G. W. Liles, supt.		
		Latt. Eastler Manage Co., John J., Hall arest and mer. J. E. Bill seev and treps. Cau Sth \$25,000.		

Lattle Rustler Maning Co., John L. Hall, prest, and mgr., J. R. Hill, seey, and treas. Cap. 8tk. \$25,000, Lattle Rustler, zinc. Shart, tunnel. steam. T. Fitzpatriek, supt. Loui-ville Lead & Zine Co., Louisville, Kv., 140 Second St., J. M. Clark, prest., T. L. Jefferson, seev. and treas. Cap. 8tk, 840,000. Orchard, zine, Idende, lead. Shatt, 1609 tons, Irosse, steam. W. M.

treas, Cap. stk. 8400,000 Johnston, mgr, and supt.

Mecudiah Mining Co., Marionville, Mo., John A. McCullah, prest, mgr, and supt., Belle B. McCullah, seey. D. D. Scaman, treas. Cap. stk. 80000. McCullah lead, zinc. Shatt, 600 tons, steam.

Mogul Mining Co. S. Ritter, prest , Jacob Nathan, seey, and treas, Cap. 82,000. Mogul, lead, zinc. Shaft, 500 forus, steam. John V Cool, Supt.

E. Nathan, F. Ogbisby & S. colm. Cap. \$2,500. Little Rina, zinc, lead. Shaft, 100 tons, steam.

Nicket Plate Mining Co., T. H. Brinkerhoft, prest., Chase Palmer, seey, and treas. Cap. 8tk, \$20,000, Nickel Plate, zinc, blende. Shart, steam

(Cark Range Mining Co., Louisville, Ky., 521 Third av., C. W. Gheens, prest., C. D. Moody, seey., trens, and mgr., Cap. stk, \$40,000. Lead, zinc. Shatt, 200 tons, steam, C. F. Johnston, supt.

James Ratfall. Bloch, lead, silicate. Shatt, 20 tons, horse,

Rinker Lead & Zine Co. George W. Rinker, prest, A. C. Plumb, seey., W. B. Booth, treas., S. H. Winor, mgf - Cap. stk. 860,000. Rinker, sine, lead. Shart, 4,000 tons, steam, horse, J. L. Rinker, supt.

# LEAD AND ZINC (Continued)

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, XAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPET IN LOSS OF 2000 FOUNDS, KIND OF
Town	AND COUNTY-	POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT
Aurora.	Lawrence attinued.	Robertson(X,Uo), (Cap. S10,000), (Big Bonanza, zinc.) Shaft, 1,000 tons; (steam, (W. II) Robertson, supt.)
	**	H. C. Ruly, Cap. 81,500. Tri-Weekly, lead, zinc. Shaff, 150 tons, steam,
	**	8f. Louis Aurora Mining Co., H. H. Wernse, prest., James Abbott, v. prest., H. M. Nocl. treas., H. G. Nocl. seey. Gap. 8k, 8060006. 8f. Louis Autora, lead. /inc. Shaft, draft, 45000 fons, steam. L. W. Hubbell, sapt.
.,	**	Seamon Mining Co., Rolla, Mo. D. W. Malcolm, prest., S. B. Rowe, accy., A. S. Long, treas., Charles A. Reed, mgr., and supt. Cap. stk., slooger. Seamon, lead, zinc. Shaft, 25 tons, steam, horse.
		Smith & Co. Cap. 8500. Louisville, lead and zine. Shatt and tunnel, 5 tons, Tree, horse and steam.
		Spell & Scott. Cap. 82,500 - Palitiosa, Jead. Zinc. Steam.
		Valley Queen Mining Co., Valley Queen, lead and zinc., Shatt, tunnel, steam, M. Hudson, supt. E. H. Wilhams, Andependent, zinc., Shatt, steam.
Belleville	Jasper	
dr. O.	Zincite (Ry 348.	treas. Cap. stk \$50,000. Holden, lead, zinc. Shatt, 2,080 tons, steam [C. M. De Graff, supr.]
	**	8t. Charles, Lead & Zine Co., 8t. Charles, Mo. J. W. Bergheld, prest. J. P. Hackmann, v. prest., N. G. Donglass, seey, mer, and supt., H. O. Penns, treas. Cap. 8th 850,000. Marphy, zine, lead. Sharts, 5500 (one, steam.)
**		Standard Lead & Zine Muene Co., Jophin, Mo., 504 Morfett av., J. W., Johns, prest., Vithin, Spencer, seey., J. H. Damgerfield, freas, and high. Cap. 8th, 848,000. Standard, zine, Johnste, Shatt, 456 fons steam. H. E. Damgerfield, supf.
Blackwell Ry, 714		Thomas Welch, Cap \$0,000. Picavane, baryte (dead). Shatt 290 tons, hand. Wm. Welch, supt.
Blendsville Ry, Jo 720.	plin 348, 349, 606	Josiah Stun - Lead, zinc - Shatt - horse - W - S ( ra ne , Sopt
Bonne Ter Ry, 155	re. St.1 rangots	St. Joseph Lead Co., St. Louis, Mo., for Laclode Bildy. J. Wyman Jones, prest. High N. Camp, socy, and treas. Cup 8th 85,000,000. St. Joseph, fead. Shatt, theoretons, water. furnace. Charles B. Patsons, supt.
Bourbon Ry, 720		$\Gamma,$ W. Linn, St. Louis, Wei, 2500 Hebert st. Cap. 85000 – 84 amanka, fead. 8640, 86am. $\tau_0$ L. W. Smith, supl
Cartery (lle Ry. V 460, 7	Jasper Velib City 348, 20.	G. W. Beissley. Cup 820,000. Beissley, va.i., and Shatt, 1,00 (fors) steam
	**	Blanton & Wyatt - Cap S 0,000 - Blands - Open pot, 1 0004 arx (steam - S B Wyatt Supr
**	**	Daugherty, Davy & Daugherty   W. A. Daogherty, post   W. A. Daogherty   Sand supt   J. W. O'der, mgr.   Confideld, the Sand Sand Supt   Sand Sand Supt   Confideld   Confideld
**		Grubb & Stamp - Zine, lend. Shatt, 60 (boxs) her s
		M. I. Harden & Co. M. I. Harden, ptest and stapt. Freeman Row, mag. Cup. 849900. Zanc, lead. Shatt, 2500 tons, steam.
		Lannar Maning Co., Leady time. Shaft, steams developing and K. Andersson, man and supt
**	**	Landreth & Paten - Lead zine - Shatt oot tons - steam - to W. Landreth, s.ipt
**		Lichthtet & Piege, Jophin, Mo. Zanc., Shaft, steam,
**		Lost Hope Wining co., W. H. Stevensen, prest, logicard., pl. A. I. Legiten, seeven litregs. Tost. Hope, lend, zinc., Shaft, hotse, steam., W. H. Stevensen, supt.
		Minneapolis & Webb City Minnag Co., Maineapolis Math., 23 Rost in Block. I. A. Lisher prest. S. A. Rood, see and treas. D. G. Matched, rugs ario stipl. Cap. 8th, 850,000. Minneapolis lead. in Shaft, steam.
**		$North \ Carte (ville \ Draining \ Co. \ Tead = ne - Shorth, 2.50 et ons - Shorth, horse, hand. \ Pana \ N. \ Davey, september 2000 and horse, hand. \\$
**		Ozark Almeral Land and Mining Co. Carthago, Mo. S. W. Pietce, prest, J. W. Pentzer, seev., A. L. Luscombe, trens., L. J. Campbo 2, ingl. and supt. Cap. stk. 8100,000. Acad. Zinc. Steam
**		Sadtler Lead & Zine Co., Bethleh (n. P.) Samo (P. Sarrec), pr. 3. (J. s. d) Bachman se y ann treas Cap stk sps.,500 Sadtler, lead and zine (Shatt steam sleveloping)
**		Schoenbetget X Zogg Mining to Matt Zogg, prest and serv (4) Zogg it the as any ragio (4p) stansapor (4p) stansapor (5p) Lead and Zine. Shatt, good tons (8b) and (8b) to the Cog, supplying the first property of the stansaport (5p) and (5p) and (5p) are the stansaport (5p)
		From Mining Co., Joseph H. Cark, prest. Charaes I. Readans, seev. and treas. S. H. Cobb, nigr. Cap., 8tk, Stongeo., Troup, lead, zinc., Shatt, 77% tons, sterm.
		Vernon Mining Co., Nevada, Mo., M. I., January, ptest., A. L., Davis, seey., L. L., Catt, Areas., Cap. 8tk, 820,000. Aernon, lead, blende., Shatt. steam., J. H. I.sangea, 8 apt.
Carthage Ry, 460	. 1.48per 0, 720,	Myers & Jennison Zine Shaft, 1,200 fors steam
		Pacific Mining Co., B. P. Waggenet, prest. W. P. Waggenet, seev and the s. Win. B. Wye's, in z. and supt. Cap, 84, 873000. Pacific, 65 in d. Shaft, 1500 lons. Steam
Cave Spru (P, O	ngs - "Jaspet Jophie Ry, 348.	Ranner Winning & Miffing Co., St. Louis, Wo., cate Samnons Hardware Co., John L. P., die aprest, Coorge W., Wilson, Seey. F. W. Sanw, Ireas. Damel Dver, mgr., and supt. Cap. sfx. second. Brune i zinc, blende. Open ptf. 1990 1003.
Chadwick Ry, 720	Christian	Vrustrong Maning Co. Springiro G. Mo., Parst. National Bank, Publ. Square. B. J. McChlene, prost and treas. Homer McChlany, seev. J. V. Hammond, n.gr., and skept. Cap. Sta. 82,000. Atmosfrong, lend, zinc. Shatt, ptf. slope. Steam.

Town

Doe Run

#### LEAD AND ZINC (CONTINUED)

LOCATION OF MINE
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, SMILTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

Chardwick

COUNTY

Christian Easley Mining Co., Sprangfield, Mo., Baker Block, Rooms 19 and 21. Wood Bouldin jr., prest.; R. P. Bowyer, seey, and treas, J. A. Hammond, ingr. Cap. 8tk, \$100,000. Easley, lead. Tunnel and shafts, our tons, steam. A. Hall, supt.

Ry. Blackwell 460.

Washington Washington Land & Mining Co., St. Lonis, Mo. C. S. Gruly, prest.: Dwight Treadway, seey, and treas.;
well 450. R. J. Brown, ngr. and supt. Cap. stk. \$60,000. Washington, lead, zinc. Shaft, tunnel, 400 tons;
water, band.

Ry. 457. Factield

St. François - Doc Run Lead Co., Bonne Terre, Mo., J. Wyman Jones, prest.; F. P. Graves, seey.; Hugh N. Camp, Iteas.; C. B. Parsons, mgr. - Cap. stk. 8550,000. - Doc Run, lead. - Shatt, 4,000 tons, steam; blast furnace, 6,000 tons.

By. Warsaw 460. Fertile

Benton Tecumseh Mining Co. W. P. Wright, prest., W. D. Cox, mgr. and supt. Cap. 8tk, \$7,000. Tecumseh, lead and zmc., Shatt, horse (developing). Washington, Z. F. Hagginbothan, Cap. \$40,000. Lead. Shaft, t50 tons; horse, hand,

Ry. Blackwell 460. Granby Ry, 720.

Newton Barnett Mining Co., Woodland, lead, Shaft, drift, hand, J. McKee, nigr, and supt.

Ben Harrison Mining Co. Cap. \$3,000. Ben Harrison, zinc. lead. Shaft, 1,440 tons; steam. Louis J. Love, supt.

Benjamin F. Butler Mining Co. W. H. A. Green, prest,: C. H. R. Kugel, seey., Henry Meadow, treas.; John Blunk, mgr. and supt. Benjamin F. Butler, lead, zinc. Shafts, soctons; steam, hand. Cupps, Wood and others. Barnett, lead. Shatt, funnel; hand (developing).

Frost & Co., E. M. Frost, prest., W. S. Frost, seey., Ed. Stanaford, mgr., Cap. 8tk, \$2,500. White Rock, zmc, lend. Shaft, tunnel, steam. C. E. Parker, supt.

Granby, Wining & Smelting Co., St. Lous, Mo., Equitable 13dg., John P. Neville, proceed, and treas. Granby, lead, zinc. Shatt, steam, furnace. John Kingston, supt John P. Neville, prest., A. G. Trevor, Johnson, Mesplay & Co. A. horse, Ed. Mesplay, supt. A. J. Johnson, gen. mgr. Cap. 82,500. Starcher, lead, zinc, silicate. Shaft:

Grego Newton Ry. Joplin 348, 460, 720.

Scota Mining Co., Jophn, Mo. H. H. Gregg, prest, and mgr.; T. J. Gregg, secy. Corinne, zuc. blende, Shatt, steam. Tom J. Gregg, supt.

Jonlin Jasper Hy, 348, 460, 720

Barbee Mining Co., James Campbell, prest., J. L. Briggs, seey, and treas. Cap. stk, \$100,000. Lead, zinc. Shart, steam. Matt. Coyle, supt.

Birewer Bros, & Parks, H. M. Brewer, prest, mgr, and supt., W. Brewer, seey., F. Brewer, treas. Cap. stk, \$10,000. Brewer Bros., lead. pack. Shaft, 2,000 tons, steam. Carlisle, Gobar & Toulluson, 200 W. Second St., Cap. 86,670. Carlisle, jack, lead ore. Shaft, burnel, 455 tous, horse, Jack McCardy, supt.

Cave Spring Mining Co., Win, E. Brinkerhoff, prest., Victor A. Wallace, seey, and treas.; Philip J. Pfenning, mgr., Cap. stk, 850,000. Cave Spring, zinc. blende. Open pit, shaft, 1,000 Ions. steam. Daniel

Columbian Lead & Zinc Co., Chicago, Ph. 85 Dearborn St. L. Weinschenk, prest., S. E. Magill, seey, and treas. Cap. 8tk, 81,500,000. Lead, Zinc.

Cottonwood Mining Co., Cap. \$25,000. Cottonwood, lead, zinc. Shaft, 600 tons; steam,

Crossman Mining Co., H. B., Crossman, prest., P. L. Crossman, v.-prest.; J. E.Stilwell, seey., treas, and supt., L. D. Porter, high - Cap. 8th, \$50,000. Crossman, zinc, lead. Shatt, steam.

Emilie Zine (m., 8t. Louis, Mo., 24 N. Third st., Frank Carter, prest., T. Shreve Carter, seey, and treas, A. W. Sewall, mgr. and supt. Cap. stk. \$500,000. Acad. zine. Shatt, drift, 700 tons; steam, electricity. Empure Zine Co., Philadelphia, Pa., 9.5 Chestnut st., John Price Wetherill, prest., T. Lewis Thomas, seey. J. H. Troutman, treas., W. C. Wetherill, mgr., Cap. 848, 875000. Lead, zine. Shaft, 5,800 lons; steam, electricity, horse, zine smeller, 2,250 tons. Pupe Vestmann, supt.

Great Western Mining Co., Kansas City, Mo., Great Western, Shaft, 10,900 tons; steam, Robert Ries,

Greichen Lead & Zinc Co., St. Louis, Mo., Bank of Commerce Bldg., M. Greenwood jr., prest., M. Greenwood sr., seey, and treas. Lead, zinc. Shatt, steam. S. Morrison, supt. M. L. Hubburd, cor. Broadway and Missouri sts., Hubburd, lead, zinc., Shaft, 4,500 tons; steam, Jacob

Canning, supt. Jacobs Bros., Carthage, Mo., care of First National Bank. Pincard, lead, zinc. Shaft, steam. W. Hogue.

King Solomons Mining Co., Kansas City, Mo., 568 Shendiy Bidg. Thomas H. Mastin, prest.; John C. Tafe, seey and freas. Cap. stk. \$5,000. Tanyard Hollow, lead, zinc. Shaft. steam.

Lee Taylor & Co. Lead, zinc. Shatt, drut. steam. Lee Taylor, supt.

Little Nellie Zine Co., St. Louis, Mo., 649 Chestmit St., B. F. Webster, prest.; Geo. B. Webster, seev. and treas; J. A. Stanton, uigr, and supt. Cap. stk, 850,000. Little Nellie, zinc, lead. Shatt, steam, horse.

Little Vugget Mining Co., L. Henon, prest, M. C. Proudfoot, seey., treas, and mgr. Cap. 8tk, \$25, 000. Little Vugget, lead, /me. Shatt, 250 tons, steam. T. Henon, supt.

D. C. Met oney - Ford, Owen, lead, zinc. 2,000 tons, steam,

F. G. Met oy. Cap. \$15,000. Possum Hollow, lead, zinc. Shaft, 33 tons., steam,

Manhattan Zine Co., St. Louis, Mo., 417 Pine St., Walter Taylor, prest.; D. G. Taylor, seey, 3 Cap. 8tk, \$15,000. Manhattan, lead, zine. Shaft, \$45 tons, steam. T. Henon, nigr, and supt. D. G. Taylor, seey, and treas.

Mittleberg Lead & Zine Mining Co., St. Louis, Mo., 6 N. Seventh St. Thomas W. Crouch, prest. Arthur Mittleberg, seev, and treas. Win. V. Reed, nigr. Cap. 8tk, 812000. Mittleberg, lead, Zine. Shatt. 225 1018, 8team. James M. Reed, 8019.

E. R. Motlet jr. Cap. \$40,000. Lead, zinc. Shaft, 4,000 tons, steam.

Lehigh

#### LEAD AND ZINC CONTINUED

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.		B ROUTES	NAME OF COMFANY OR INDIVIDUAL, LOCATION OF FRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KINDOW GRE, KINDOW MINE, ANNUAL OUTPUT IN LONG OF 2000 POWERS, KIND OF POWER USER, SMELTERS, ETC., AND NAME OF MINE SUBSERINGTRISHORY.
rwor	AND	COUNTY	TOTAL CREEK MEETING, EAST, AND PASSE OF MINE OF EMPLOYEE
doptin.	Continue		Monkey Hill Maning Co. (Cap. 815,00). Monkey, zine, bend. (Shart, 2,000 tons). Steam (J. P. Wheoler, supt.
*1		**	Moonshine Mining Co., L. C. Wilmoth, prest., W. S. Paul, seey, and treas. Cap. 8tk, 8c5,000. Moonshine, lead, zinc. Shaft, steam, horse.
		**	Obwego Lend & Zine Co., Samuel C. Cook, prest, and mgr., George Shaw, seey, and treas. Cap. stk. standoon, Obwego, 'ead, zine. Shaft, 3,700 tons, steam.
			W. S. Paul, "Lead, zine", Shaft, horse,
		**	Petri Zine Maning Co., St. Loras, Mo., fe N. Eighth st., M. Greenwood, prest. J. M. Gronch, seey, and treas, cap. stl., 821,000. Petri, blende, Jead. Shatt, failutons, steam. Geo. W. Ketner, supt.
			Randall & Co. (Cap. 85,000). Randall, lead, back. (25 tons). Steam. (T. S. Lovry, supt.
			Rice & James, Mahaska, lead, zinc. Shart, drift, 464 tons, steam, electricity. J. M. James, supt.
		,	Roaring Springs Land & Mining co., I bensburg, Pa. (D. W. Luke, prest). Alvin Evans, seey, and treas., D. C. Hoover, mgr., Cap. stk., stochool. Lead, zinc., Shalt, £500 fors, steam. F. Healburg, supt.
			Charles L. Rose - Cap, 820,000 - Moonshine, lead, zure - Shatt, 255 tons, steam,
			Ruby Mining & Smelting Co., St. Louis, Mo., 50-O (ve. St., Room 31 - C., C. Higham, prest, . Henry Digby, seey, and to as. W. S. Higham, mgr Ruby, zinc - Shatt, steam, developing .
			Rusk Mining Co., Kansas City, Mo., sog New York Late Bildg. L. W. McCullum, prest. N. A. Duckey, freas. Cap. stk. 810,000. Lead, zinc Shaft, steam.
			Snyder Bros, Mining & Smelling Co., F. L. Snyder, prest. H. K. Snyder, serv, and treas. Cap, stk. 8550,000, Snyder Bros, zune, lend. Shalls, signifons, steam, electry, tv. John C. Snyder, supt.
			South Jophn Lead & Zine Mining Co., Kansas City, Mo. 207, Fact Twe 9th st., T. A., McClelland, prest.,

- South Jopen Legal & Zhe Wanng Co. Kansas City, Me. 205. Lact Live III Sci. L. A. McClelland, prest, Robert Moody, seep. J. L. Harwood, frens. J. Wyres, mgl. and spit. Cap. 8th, 86000. Lead and zine. Shafts, 800 tons. Steadard Lead. X. Zhe Winnig Co. J. W. Johns, prest. Arthur Spices (See V. J. II. Dangetheld, Landard, 2ng.) Conden. Shaft, 8700 tons, hand, storm. H. J. Dangetheld,
- Sterling Lead & Zing Co., New York City, b. Broadway (G. N. Baron, prest. P. 8 Swann, seev., treas, and mgt. 86 (lang, bend, zing) Shatt, 970 (rons) steam (T. Henon, supt.) Wenrach Lead x Zine Co., Mansta M. Ohio, s. N. Manst., W. L., Sewell, prest. H. P. S. well, seev., S. P. Dekn treas. Cap. stk. st50,000. Went ch. lead, zine. Shaft, tunnel. steam. D. K. Wentreh, supt.
- West Hollow Lead & Zine Co., 8t. Louis, Mo., Washington av (J. Selia, prest.) cap. 8tk, 850,000. Star, lead, blende Shatt, Louistons, steam, A. Smithie Ching, and supt.
- U. J. Williams & D. Hamill. Big Run, zue. Shatt, t. oo tons. steam, horse. J. W. Orr, supt. Windsor Mining Co., Kansas City, Mo., b. L. Saxth st., R. Robertson, prest. J. J. Norman, socy, and Treas. Trinest I. Robertson, high - cap 850,000. Lead, zinc.
- Franklin Zine Co., P. L. Johnston, prest and treas: 1. 8 Hayton, seey. J. B. Johnston, mgr. and supt. cap. stk. 840,000. Lehigh, zine, lead. Shatt, slope, 5,500 tons, steam. Jasper By Carl-Junction 720.
- 8t Louis Zim Mining Co. 8t. Louis, Mo., 47 (nd. 19 N. Thera st. 12 f. Lawton, prest, seev. and treas. W. A. Itwin, mgr. and supt. (cap. 8tk. 810,000 Nieke, Plate), etc. Shatt, open pit, 1,000 tons, 8team,
- White Flephant Zue to A. H. Rogers, prest at S. Thomas, regret trap sike shooo, White Flephant, zine Open jut. L. Evans, sopt.
- Wright Dodson Lead & Zine Co., Berlifchem, Pa.: Truman M. Dodson, prest. Josiah Bachman, seev. and freus Cap, 8th §100,000. Zine, lead. Shart, steam. developing. Mansheld Ry. of
- Mane La Motte, Madison Rowland Hazard Mane La Motte lead Shatt steam, furnace J. D. Sandors sind Ry. 460.
- Mineral Point Washingt'n, J. F. Richardson, Walton, Mesplay and others, Early Shatt, Jurnary
- Maintord Greene, Gumbo Mining Co., Cap. 8850. Gumbo, lead, zine - Shatt, ewtons, steam - 8, D. Rainsey, supt By Turner 548.
- Old Mines. Washington | Union Mining & Smelling Co., St. Foins, Wo. C. B. Baniham, prest. W. H. Davis, seey. G. W. Chad bourne, from S. Mey, Hartison, incr. and sapt. Cap. 8th 880,000. Old Mine, lead. Shatt, 300 tons, steam, blast furnace, flowtons.
- Oponogo, Jasper John Lowry & Co., Smishing, lead, zinc., Shatt, tunnel, (20 tons, horse, band, John Lowry, supt. Rv. 720 Margerum Mining Co., Geo. A. Margerum, prest., trens. and mgr., Chas. M. Reynolds, seey. Cap. 8th, 8300,000, Margerum, lead and zine. Shatts, steam, developing. James Gammon, treas, A. L.
- Peak Mining Co., Webb City, Mo. L. R. Read, prest (8/8) Ricc, Seev. Jame Benderson, v-prest, and nigr. (Lead, zinc. Shatt, drut, steam, developing) Palmer Was Ry Potosi 714 Washington Palmer Level Co., J. H. Amsworth, prest, and seev., P. J. Cumanings, treas., J. J. Blount, mgr. and 98474 supt. Cap 8th 8180,000. Lend. Shatt, 600 tons, horse, turnace.
- Persuiger.
- Boone Fort Smith Mining & Smelling Co., Fort Smith, Ark., 1998 Hackery St., D. J. Young, prest., S. A. Williamser, Ry., seey., Charles Hall, treus., R. B. Edwards, mgr., and supt., Cap., 8th, 850,000. Upper Ten., Jead., zine Shall, Juff, Jorons, Steiner. P G. Switzler Ry. Washington [1] A. & P. McArthur, Foronto, Canada, Ticad, zinc. Surface, air pirmace. Hugh McGreg u, mg: Potosi
- Ry. 714. Prosperity Jasper Troup Mining Co., Webbetity - Joseph H. Clark, prest, Charles F. Robbins, seey and treas - 8/11/cobb. 348, 460. gen/mgr - Cap. 8tk 8000000 - Troup, lead, z/nc - Shatt, 7,950 tons, Steam Webber ity 348, 460,
- SP: Ry v. 720. Scotland Jasper, Speed Bros., Jophin, Mo., Cap., Stooch., Speed Bros., lead, zinc., Shart, Cook fors, Steam., Salack Speed Webb city 348, 4on, Ry. V 720 SHIP.

#### I.EALD AND VINCE (CONTINUED)

			LEAD AND ZINC (CONTINUED)
LOCATION OF MINE RAILWAYS WATER ROUTES AND SHIPPING POINT.		R ROUTES	Name of Company of Individual, Location of Penncipal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Oide, Kind of Mine, Annual Outfut in Toks of 2010 Founds, Kind of Power Used, Namelters, Etc., and Name of Mine Superintendent.
To#\	AND	COUNTY	Total College Mag Date and Table of Miles of College C
Steelville Ry. 7		Crawtord	Star Mining Co., H. S. Walbridge, prest.; J. F. Evans, seey.; Thos R. Gibson, freas.; W. A. Metealt, mgr. Cap. stk, \$50,000. Controls, lead, zinc. Shaft, steam; air furnace. H. W. Nethington, supt.
Webb Cl	ity 848, 460,		Asherott-Reynolds Co., John R. Reynolds, prest.; C. M. Reynolds, seey, and treas.; G. P. Asheroft, mgr., and supt. Cap. \$300,000. Asheroft-Reynolds, lead, zinc. Shaft, 300 tons; steam.
		**	Bair & McLelland. Lead and zinc. Shatt, 520 tons, horse, J. W. Bair, supt.
		**	Caldwell & Co. Zinc, blende. Shaft; Steam.
		••	Center Creek Mining Co., St. Louis, Mo., 213 N. Eighth st. B. F. Hammett, prest.; J. C. Stewart, seey, and mgr., W. C. Stewart, treas. Cap. stk. \$1,500,000. Center Creek, lead, zinc. Shaft, 18,147 tons; steam.
			Chatham Mining Co., Chatham, N. V., A. E. Tracy, prest., James Smith, Secy, and treas.; J. A. Hewitt, mgr. and supt. Cap. stk. \$10,000. Chatham, zinc. lead. Shaft, tunnel, 6,500 tons, hand.
			Columbia & Gammon. No. 5, lead, zinc. Shaft, tunnel, 7,500 tons; steam. James B. White, supt.
		**	W. G. Davison, (cap. \$10,000). Lead, zinc. Shaft, 4,000 tons; steam, horse, hand. J. R. Seay, supt.
**		.,	Dayton Mining Co., H. W. Fullerton, mgr., Cap. \$15,000. Dayton, lead, zinc. Shaft, 2,500 tons; steam, I. M. Tabor, supt.
		**	Eleventh Hour Mining Co., J. W. Aylor, prest., H. H. Aylor, seey., A. W. Aylor, treas., F. Brunerman, mgr. and snpt. Cap. stk. \$500,000. Eleventh Hour, lead, zinc. Shaft, drift, 15,600 tons; steam, horse.
**		**	Garrison Lead & Zinc Co., O. F. Garrison, prest, and mgr.: Thornton Ware, seey.; Geo, W. Ware, treas, Cap. \$30,000. Garrison, zinc, lead. Shaft, 2,100 tons, steam. I. H. Schalk, supt.
**			Home & Co. Tenderfoot, lead, zinc. Shaft, 400 tons, steam, C. C. Home, supt.
		4.4	Horton & Co. Zinc, lead. Shaft, 600 tons, steam, hand. Monroe Horton, supt.
**		**	A. W. Hough. Lead, zinc. Shatt, drift, 600 tons; steam.
		**	Houghton & Son. Cap. \$5,000. Zinc, lead. Shatt, 1,000 tons: steam. Joseph Houghton, supt.
**		**	Keller Mining Co., E. L. Martin, prest.; W. F. Duvall, seey., H. B. High, treas., J. K. Brugler, mgr, and supt. Cap. 8tk, 850,000. Keller, lead, zinc. Steam.
		**	J. F. Lewis. Sucker Flat, zinc, lead. Shaft, 550 tons; steam.
		**	F. E. Martin & Co. Martin Bird, lead, zinc. Shaft, 1,000 tons., steam. F. E. Martin, supt.
**			Missouri & Illinols Lead & Zuie Mining Co. F. S. Bennett, prest., A. P. Charles, v., prest.; G. M. Overluser, seep and supt., J. M. O'Blenis, treas, and mgr. Cap. stk. 800,000. Lead, zine. Shatt; steam (developing).
			Morring Star Mining Co., Jophin, Mo., 36 Sargent St., Monroe Clark, prest., S. C. Price, seey., John F., Wise, Ireas., J. A. Hewitt, ingr., Cap. stk. Sloodo, Morning Star, zinc. Shatt, 1000 tons; steam, Win. Corning supt.
			Mound City Mining Co., St. Louis, Mo. Louis, Grund, prest., A. H. Brueggeman, seey.; Phil, H. Lenz, treas., Louis Helm, mgr. and supt. Cap, 8tk, 8600,000. Mound City, lead, zinc, blende. Shaft.
			Nevada Mining Co., A. L. Hazelton, prest., W. H. Keeler, seey., ingr. and supt.: E. F. Clark, treas. Cap., 84k, 840,000. Nevada, lead, zinc, blende. Shaft, 1,300 tons.
			Noble Mining Co., Jophi, Mo., 8th Pearl St. W. E. Campbell, prest., W. D. Campbell, seey., Webb City Exchange Bank, treas., W. R. Duncan, mgr. and supt. Noble, lead, zinc. Shatt, steam.

- D. M. Page, Jophin, Mo., Zinc. Shaft, steam.
- Perkins & Co., Cap. \$10,000. Carthage, zinc. Shatt, a tons, horse. Asaac Perkins, supt.
- Richland Mining Co., Mansfield Ohio. B. F. Crawford, prest., J. M. Waugh, seey, and treas. Cap. 8tk, sponono. Richland, lead, zinc. Shatt, 3,600 tons; steam. J. A. Hardy, supt.
  - A. T. Steelman, Cap. 820,000. Buck Horn, zinc, lead. Shaft, 558 tons. Steam. H. W. Bowman, mgr. and
  - supt.
- Stevison, Wampler & Co. (Cap. \$20,000). Lead, zinc. Shatt, 3,000 tons. steam. L. J. Stevison, supt.
- Victor Mining Co., Montoc P. Welton, prest., Thomas R. Calo, seey., John W. Arnold, treas. Cap. stk. Stonoto., Victor, zmc. Shatt, 8000 fors, steam. E. I. Schooler, supt.

Jasper Alvey & Clevenger. Alvey Discovery, zinc, lead. Shaft; steam, Ry. Belleville 348.

- J. Copley, Cap. 818,000. Zinc, blende. Shaft, 800 tons; steam,
  - Gold Button Mining Co., C. C. Wheeler, prest., John N. Bargess, seey., treas., nigr., and supt. Cap. 8tk., 81, 90. Gold Button, zinc. blende, lead. Shatt, 104 tons, horse.

#### MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER HOUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT

Dry Branch

Ry. 720.

CHESTS

Franklin Robert Heyms. White barytes, ore paint. Shaft, hand,

Hibbard & Pickles. Booth, iron paint ore, lead. Hand.

Mineral Point, Washingt'n, Mrs. L. D. Bone, Boaz 2,334 fous

# STONE, MARBLE, GRANITE AND ONYX

1	OCATION OF MINE
	OR OUARRY.
RAD	WAYS, WATER KOUTES
Α.	SD SHIPPING POINT.
- ^	op tomat this a contra

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARKY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF FOWER USED, STONE OR MAEBLE MILLS, LIMEKILNS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

TOWN AND COUNTY.

Becket Ry, 715. Franklin Tavern Rock Sand Co., 8t. Louis, Mo., 3fi Commercial Bidg. 4. C. Garrett, prest., W. H. Garrett, seey., A. T. Lamin, mar. Cap. 850,000. Tavern Rock, white sandstone. Open pit, 120,000 tons, steam, sand mill, Tom Tracy, spit.

Bourbon Crawford F. W. Linn, St. Louis, Mo., 2,300 Hebert St. Salamanka, sandstone. Steam,

" Moore & Richards, Cap. \$1,200 Onyx, Shatt, tunnel, hand, E. B. Moore, nigr, and sant

Cape Girardean Cape Lime & Marble Co. Marble. Open pit, horse, limekilin, 2000 brls.

Cape Girardeau Ry, 713.

Carthage Ry, 65, 726.

dasper Carthage Marble & White Lime Co., 81, Louis, Mo., 26) Olive 81, Room 51, Geo, T. Riddle, prest, 41/4 CriteDeniacher, seey. Cap., 83, 85, 600. Carthage, marble, limestone. Open pd. 6,000 form, steam, mill. White ' Torphy, supt.

" Carthage Quarry & Construction Co., Box 301, G. W. Viernow, prest., J. R. S. Nichols, seey; Lake McLaughlin, treas; M. F. Viernow, mgr and supt. Cap. 8tk.825,000, Lamestone, 5,000 tons, steam, publis.

The With Carroll County Sand Stone Co., Cap. Stk., Stopool. Catroll County Quarry, white sandstone. Open pit, a2000 Ry, 784.

Carroll Carroll County Quarry, white sandstone. Open pit, a2000 Ry, 784.

Glen Park Jetterson Lime Co. of St. Louis, St. Louis, Mo., 155 Chestraft St. Charles W. S. Cobb, prest, Theo, W. C. Balin, (P.O. Suppliar Springs Seey., P. J. Damonheim, treas, Cap. 8tk, 85,00), Glenwood, limestone, 12,000 tons. Peter McLoon, 80,04.

Granteville
Ry, 60.

Schneider Grante Co., St. Louis, Mo. Landie Bildg., 502 Gravest. P. W. Schneider, prest, Jafans A. Schneider, seev. and trees, F. W. Schneider tr., ngr. (44), 848–850, Schneider, grante. Open, 27,000 tons, Steam, mill. John Horgles, supt

Syente Grante Co. St. Louis, Mo. 15/8 Fourth st. Wm. R. Allen, prest. J. W. Walkier, seev. Thomas I. Walsh, trens, J. M. Smith, v-prest, negrand supt. (ap. 8tk, 850,000). Grante, 11,300 lons, steam, null.
Knot Liek. St. Panco S. Skranka Construction Co. 8t, Louis, Mo. Grante Bidg., 400 Market st. Louis Skranka, prest.

Knob Lick 8t, 19mg s Skrainka Construction Co., 8t, Lonis, Mo. Granite Ridg., 404 Market st., Lonis Skrainka, prost, Ry, 460. Morris Skrainka, sexy, and treas, James Plondey, mar and suppl. Cap. stk. 89,600. Skrainka, granite. Open pd. slope, (Locotons Storm, horse,

Rolla Phelps J. I. Buskett, Fire clay, 2,000 tons, Rv, 720.

Ste, Genevieve, Julies Boyer, Cap. \$5,000. Unnestone. Open pit, hand, line killi, capitedly 1,500 tons. Ste, Genevieve.
By, Cs.

" Ferdinand Moser (tap, \$10,000, St Genevieve, ceditic limeston) Slope, 3,000 tous (horse, hand 'lime (RV-661 kiln, capacity ),000 tous

Se folia By Eg. 160. Petris Sedafta Mining a Prospecting Co., 27 Dempsey 1932. If G. Wil to prest "Jonathan Weets seev", I. W. Kiy Eg. 160. South Greenfield | Dude Hingkey Stone Co., J. J. Hingkey, prest, H. W. Jany, seev, and trees, J. W. Hedges, marg., Cop six

South Greenfield | Under Hinckley Stone Co. J. I. Hinckley, prest. R. W. Jay, socy, and frees, J. M. Hodges, mgr., Cap. 8tk, Stoneous, South Greenfield Courtry, Dimestone - Open per steam - mild kin 7,200 forus.

Sullvan | Franklin | Merames Onyx & Metal Co., Roston, Mass, 110 (Bedford), st. Watter I. Cha objects, J. F. Myers, Seev. By 729. and frees | Cap. 8tk, Section | Hamalton, onyx, bodd rod och et | Shaft, open | Steam |

Vagus Staton St. Lonis Crystal Springs Quarry Co. St. Lonis, Wey, 40. Market st., Charles C. Mever, prest, and freas. A. E. Nota P. O. Ry 775. Hopkins, seev. cap, stk. 81,000, Crystal Springs, unestone. In contons. Land. mill.

Wastensburg Johnson Lawtence Bruce, St. Louis, Mo., defletson av., and Mo. P. Rv. das. E. Willer ingreated supt. Cap. By 600. Warrensburg, blue and who be sandstone. Open p.t. between six am., and

SEE ALSO SUPPLEMENTARY LIST

# MONTANA

#### ASBESTOS

LOCATION OF MINE RAILWAYS, WATER ROUTES and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 FOUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

zmoT

Town

Castle

Gallatin Gallatin Asbestos Mining Co., Theo, Schweitzer, prest, and ngr., E. D. Ellis, seey.; Geo, W. Ellis, mgr., Cap. 8tk, 8250,000. Jumbo and Little Kid. Shart and funnel, 15,000 fons. Bozeman

#### COAL-BITUMINOUS

LUCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Blossburg . Ry, 529.

Deer Lodge - Mullan Pass Coal Co. - Mullan Pass. - Shaft and slope: steam (developing).

Ry. Layingston 529 (4) miles).

Meagher Black Diamond Coal & Coke Co, clocal). Daniel Sharp, prest, and treas.; Burt Marsh, seey, and mgr. on 529-74 — Cap, 8tk, 8550,000. Black Diamond. Shatt and tunnel, 10,000 tons; stemu; 4 coke ovens.

R. F. Carney (local). Black Giant. Tunnel, 3,000 tons; horse and hand.

Castle Coal & Coke Co. O. P. Dabney, prest.; Mrs. Lottic Donovan, seey.; Mrs. Mary Doncet, treas.; David Doncet, nigr. Cap. stk. \$500,000. Castle. Shatts and tunnels; water developing).

Coke late P Ry. Lavingston 529.

Park Layingston Coke & Coul Co., Helena, Mont. S. T. Hauser, prest.; A. J. Seligman, treas., O. R. Allen, mgr. Lexington. Timmels and slopes, 90,000 tong steam; washer and crusher, 100 coke ovens, 30, mgr. Lexington. Tunnels and 600 tons. Geo. T. Wickes, supt.

Horr Ry, 529,

Park Park Coal & Coke Co. J. H. Conrad, prest., F. A. Krieger, seey.; S. C. Hunter, treas, and mgr. Cap. stk. \$1,000,000. Hort. Tunnel and slope, 41,000 tons; steam; washer, 40 coke ovens, 18,000 tons.

Lewiston II Ry, Billings 529, Partly City

Fergus Conway & Shaules (local), W. A. Shaules, mgr. Cap. 800,000. Democrat. Tunnels, 400 tons; hand, William Alred, supt. Vellowstone, C. M. O'Flaherty, Valley Creek. Tunnel, 1,200 tons, horse,

Bed Lodge

Sandootdee

Park Rocky Fork Coal Co. C. A. Spofford, prest., Edward Edes, seey., J. M. Fox, mgr. Cap. stk. \$2,000,000. Rocky Fork. Tunnels and slope, 225,000 tons, steam, electricity and horse. Wm. O'Connor, stpt. Cascade Sandcoulee Coal Co., St. Paul, Minn., Great Northern Ry, Bldg. Henry R, Crocker, prest;; W. B. Roberts, Seey., C. C. Hussey, treas; Henry Burrell, mgr, and supt. Cap. stk. \$500,000. Sandcoulee. Tunnel, monuto from head and compressed are.

Tumber!me

Gallatin, C. W. Hottman, Timberline. Tunnel and slopes, 45,0094ons; steam. Jas. Anderson, supt.

# COPPER

LOCATION OF MINE, PARTIES WATER ROTTES AND SHILPING POINT.

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUL IN TORS OF 2,000 POUNDS, KIND OF POWER USED, I URNACES, ETC., AND NAME OF MINE SUFERINTENDENT.

White Sulphur Springs Meagher By. Fownsend 529

Spencer, Mayn & Heitman. North Pacific, Heckla, Jamison and Copper Duke. Shafts, hand,

FIRE CLAY

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT. COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Anaconda. Ry. 469

Deer Ladge
Lost (Treek Pire Brick & Silica Co., South Butte, Monta, 30, Finh av., Onslow Peters, prest., John
McMurry, Seey., Win, Layton, Ireas., George Fairweather, mgr. and sipt. Cap. 8th, \$30,000.
Monitain boy and White Monitain. Open pd. 2,000 tors, water and steam; stone crusher.

Deer Lodge

Mullen Fire Brick & Tele Co., Helena, Mont. T. C. Power, prest., J. R. Whitmire, seey., treas, and mgr. Cap. 84k, 525,000. Open pd. 5,000 tons, steam.

#### GOLD AND SHAVER

	TION OF	MINE, R ROUTES
	HIPPING	
Town	AND	COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF UFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF GRE. KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Anseonda Ry, 469 (11 miles)

Deer Lodge Gunn & Todd. Mountain Vein and Caraboo, gold and silvet. Shatts, retractory, hand,

Argenta Beaver Head Ry, Dillon 776 (20 m.).

Beaver Head St. Louis & Argenta Winning Co., St. Louis Mo., 143t N. Fufteenth st. Jos. Peters, prest, and treas, on 776 (20 m.). J. Smitz, seev. Cap. sts. 84,000,000. Dexter and snowdrift, gold, silver and lead. Shatt, retractory, steam, W. H. Duidey, supt.

Augusta, Lewis and Carke (L. S. & G. C. Goss.) Silver King, silver and lead. [funnel, 2 tons; hand, Ry, Great Fulls 256.]

Avalanche Meaghe (P. O. Canyon Terry Ry. Helena 529.

Meagher, Wesley Basye. Avalanche Gutch, gold. Placer, slope, hydrautic (developing

Ry. 529.

Deer Lodge, R. W. V. Mueller, Washington Gifeli, Mont. Little Chief, gold, silver, copper and lead. Shart, hand,

Baker City (P.O. Deammond) Ry. 776 (12 mile)

Deer Lodge Forest Queen Mining Co., W. Beddig, prest, Al. H. Keith, seev., J. E. Baise, treas., Thomas Irvin, numnond Ry. mgr, and supt - Cap. stk, s250,000. Forest Queen, gold, silver and lead. Tuninel, free idex-doping).

Bald Batte Deer Lodge Bald Batte Mining Co., Helena, Mont. Win, Chumasero, prest., E. H. Latem, seey., treas, and mgr. Cap. Bald Batte Group, 5 whies, gold and silvet. Shaft and funnel, 12000 fons, tree, steam, 20 strang. Thomas Smexy, said.

Bannack tity BeaverHead - Bannack Ditch & Mining Co. F. L. Graves, prest, and trees : A - P - Gracter, seey,, mgr, and supt. Cap. By. Ref Buck 756 - sik, 800,000 - Guld. Placet hydraulic Dyer Creek Placer Maning Co., W. Pischer, prest , John C. Chelson, seev, and mgr., A. H. Lapham, Treas, and supt. Cap. 4k, 800,000. Dyer Creek, gold. Open put. varier.

12x, 19(Bon, 776, (30 m).

Fred North & Co., P. Dark, gold, salver and lead. Shaff, Dectors. Tred North, supt.

Barker Mengher Ry. 293.

Lina Mining Co., Great Laffs, Mont. A. L. Bishop, prest., James Lawler, seey, and from the New Anderson, ingr., and supt. Cap. stk. \$750,000. Lina, ofter and lead. Shaft and framed before day, steam,

Alice Mining Co., C. J. Heidenreich, poest,, mar, and supt. Adolph Heidenreich, treas. Alice, salver and lead. Shaft and tunnel, 50 tons, retractory, steam

Mlanfar Milling & Mining Co., P. G. Box (ed.) Matthias Gabitzeck, prest, "Chas, Walang, v prest," H. C., Shipkey, seey and tears: Thenry Vorherr, nay and supl., Cap., 5th, Spoopee, indiv cap, ssigoon, Gulf of Barket, gold, silver and bead. Shaft and timnel, tree, hand developing.

Barker Mining Co. T. C. Power, prest J. J. L. Townsend, seev. A Johnson, treas J. A. J. Cowin, ingl., and supt. Cap. 8tk, \$2,500,000. Elock P. silver and lead. Shatt and tunnel. refractory, steam.

Black Hawk Winnig Co., Great Fal's, Mont, Central av., Jesse I. Henry, prest. Geo. W. Leylor, seey, and Ireas, John Williams, magr. Cap. Sch., Songeo. Black Hawk, Palmette and Black Hawk No. 2, gold, silver, galena, Shart and Tunnel, Johns, Jetraclory, Land., W. C. Lackin, supp. Dry Fork Mining Co. C. H. Benfon, prest, A. J. Dieberman, v. prest, J. W. Thomson, seev. Will Hawks, treas. S. J. Merritt, mgr., and supt. Cap. stk, 81,000,000. Titla, silver, and lead. Shatt. (rec.)

H. C. Foster & Co. Silver Bell, silver and lead. Shart and tunnel, 15,000 tons, steam

Galena City Consolidated Mining Co., Great Patts, Mont., 22r. Central av., 4. R. Ortfman, prest., W. B., Barfeigh, sery, and treas. Cap. 8th 84,000,000. Wild Ed. Riversade, Snowshide and queen of the Guide, Staver. Sharts and tunnel, tree and retractory, Janual developing.

1604 Gold & Silver Mining Co., Great Palls, Mont. A. E. Collins, prest. A. A. Ringwald, seev. and treas., Peter Harrison, Ingr. and Supt. Cap. 8th, 81,500,000, A. W. Silver and Jead. Shaft and fininel, 100 Peter Harrison, mgr. and supt. cap. stk-tons, retractory; hand. Magnolia & St. Louis Mining Co., Jessie Henrey, prest., James Mair, seev., Louis Coslin, treas., Michael C., Larkin, jugr., and supt., Magnoba, St. Louis, gold, silver, copper, and lead., Shart and funnel,

C. Larkin, mgr\_ and supt retractory and tree, hand May & Edna Mining Co., Armington, Mont. J. T. Armington, prest, treas and mgr., Wm. Methaen, seey. May, Edna, Annie May and Smeller, gold and silver. 4,000 tons free, refractory. Geo. E. Seey, May Price, supt.

Silver State Mining Co., Great Falls, Mont., brecentral av. 4, Schmidt, prest., Win, Albrecht, seey., treas, and mgr. Cap. stk, \$500,000. Lookout, silver and lead. Shatt and tunnel, tree, hand.

Silver Tip, Mining Co., Greaf Talls, Mont., the Central av. Thos. W. Thomson, prest. Thos. Gallagan, seey, and treas, John L. Lee, nigr., and supt. Cap. stk., 8500000, 8 Net. Tip. gold, silver and fend. Shaft and founds, Jooo tons, tree, hand. Waters, Northan & Wilson, Barker, Mont. Perry Lode, salver and lend, Januel and shatt, hand

developing Basin Ryl, 296, 529

Jellerson Basin Mining & Concentrating Co., Helena, Mont. A. N. Spratt, prest. T. N. Fletcher, seey and freas. H. W. Child, mgr., Cap. (46, 800,000). Hope, gold, silver and lead. Shatt, 20,000 fours retractory, strain, F. C. Gilbert, supt.

Kane, Potting & Judge. Thomas Kane, ingr. Deet Lodge, gold, silver and lead. Tunipel, coo (ops.

John C. Rand & Co. Red Rock, gold, silver and lead. Shatt and tunnel, actions, tree and repractory,

Smith & Moore, Cap. \$5,000. Black Rock, gold, silver and lead. Junnels and shafts, 20 tons - repriet av Weser Maning Co., Henry Brathoben, prest., David Matks, seev., J. G. Phelps, treas., H. J. G. Wanteringt. Cap. 8tk, 8400,000. Weser, gold, silver and lead. Shaft and funnel, retractory.

Rear Park, . Mengher (P. O. Uthen) Ry, Bar ker 203 (20 miles) Meagher

Bear Park Mining Co., Great Falls, Mont., 312 Central av., J. B. Stellen, prest. John Ceno L., Sovy, Edward O'Bolly, treas., Fdgar Bollin, mar., and supt. Cap. stk. 8,000,000. Halson, Beb'yya, Bron-elio and Chen, 2018, silver, lead and copper. Shatt and Cunnel, tree "Junel".

Leartown.

rtown — Deet Lodge (Loomis & Stone) (rap. 85,000). Chemmantha, gold. (Pacer, 200 tons) steam, in By, Bear's Month 520

Birch Creek. Mengher P. O. White Sulphur Sprs. dty. Helenaten. Barch Creek Mining Co., J. C. Downton, prest, and supt., A. Bonngard, seey, and treas.; J. G. Pickering, ngt., Cap. 8tk, 830,000. Carrie and Ready Cash, gold and silver. Tunnel and shafts: tree sprs. dty. Helenaten.

LOCATION OF MINE.	
RAILWAYS, WATER ROUTS	ES
and Shipping Point.	

Big Timber Ry, 529 (60 miles).

Blackhawk Meag Ry, Livingston 529.

AND COUNTY.

Meagher

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Alice Mining Co., Martinsdale, Mont. J. M. Smith, prest.; J. A. McNaught, secy.; John Paller, treas.; W. A. Smith, ingr. and spit. Cap. 5th, \$200,000. Alice, Bandholder, Alvona and Annie Mand, silver and lead. Shaft, free, steam. Black Hawk Mining Co., Martinsdale, Mont. J. M. Smith, prest,; N. B. Smith, seey.; James T. Wood,

Park Crown Mining Co., Billings, Mont. Samuel F. Mitchell, mgr. Crown, gold and silver. Shaft; free; hand; Hicks Park Mining Co., C. S. Busha, prest.; Benj. Umer jr., seey and treas.; John Renfro, mgr. and supt. Cap. stk. \$25,000. Hicks Park, gold. Placer (developing). Mannie Minang Co. A. D. Sidle, prest., Geo. R. Urner, seey. Cap. 8tk, \$1,000,000. Mamie and Boodle, gold and silver. Shaft; free, steam; 5 stamps. Poor Man's Mining Co. A. N. Hawley, prest, ingr. and supt.: B. M. Allin, seey, and treas. Cap. stk. 82,500,000. Poorman gold and silver. Shatt, tree, steam, 3 stamps.

	••	Black Hawk Mining Co., Martinisdale, Mont. J. M. Smith, prest.; N. E. Smith, seey.; James T. Wood, trens. W. V. Smith, mgr. Cap. 4k, 8500,000. Blackhawk, Mohawk and Altha, silver and lead. Shaft, tree; horse obeveloping).
		Donnan & Fitzpatrick. John Donnau, mgr. and supt. Cap, 810,000. Como and Tiger, silver and lead, Shatts, free; hand.
		Grant Mining Co., Rozeman, Mont. E. E. Fowler, prest, and Ingr., F. S. Webster, seey.; W. H. Poorman, treas. Cap. stk. 83,000,000. Waterloo and International, silver and lead. Shatt: tree, horse and water. J. M. Lyon's supt.
		Legal Tender Mining Co., White Sulphur Springs, Mont. Win, Parbory, prest., D. E. Folson, seey.; John A. Woodson, (reas., A. Al, McPherson, mar, and supt. Cap. stk, \$5,000,000. Legal Tender and Aurora, silver. Sope and shaft, steam, tree.
		Tramvurate Minna Co., N. B. Smith, prestr. John J. Fraser, vecy, and treas: Elmer E. Phillips, mgr. and supt. Cap. 8th 8500,000. Big Mogul, Little Mogul and Hodges Faction, silver, lead and iron. Shatt, band developing).
Boulder Jeffe +P. O. Boulder Vi Ry, 529, 293.		Finney & Redell, Win, T. Sweet, prest., Will E. Bedell, seeg., Hon, Judge Buck, treas., Frank L. Finney, mgt, and supt. Cap. 860,000. Scioto, gold, silver and lead. Shaffs, 59 tons, hand, retractory.
		Rocky Mountain Mining Co. Jesse Patterson, prest, and mgr.: Frank Bernatz, seey., W. P. Hoopes, treas. Cap. stk. 8300,000. Hoosier Boy, silver and lead. Shatt. steam.
Butte City Silver Ry, 529, 235, 469.	Bow	Amy & Silversmith Consolidated Maning Co. George W. Irvin, prest, and ingr. Joseph V. Long, seey., M. B. Brownlee, treas. Cap. 8tk, 82,000,000. Amy, gold and silver. Shaft, 1,000 tons, retractory, steam.
**	**	Anaconda Mining Co. J. R. Haggin, pre-tl. F. E. Sargeant, seey. Marens Daly, mar. cap. stk. \$25,000,000. Anaconda Mine and of other claims, silver and copper. Shafts 1,200,000 tons, retractory; steam, water and electricity, mill. Pattick Kane and Joseph Laird, supts.
	**	Arlungton Maning Co., New York City, 15 Wallst. Geo. C. Magoun, prest., Geo. F. Crane, seev., and treas.; C. W. Goodfall, nigr., and supt. Cap. sik. 8200,000. Star West and Mountain Boy, gold and silver. Shatt, 2000 tons, retractory, Seam.
		Blue Bard Muning Co., Ltd., F. Van Zandt, prest., W. G. Didrichsen, seey, and treas., W. H. Keller, high- cap, stk. 81,000,000. Blue Bird, silver. Shatt, 50,000 form, retractory; steam, 80 stamps. W. W. Adams, supt.
		Boston & Montana Consolidated Copper & Silver Mining Co., Boston, Mass., Sears Building. A. S. Bigelow, prest. Thos, Nelson, seey, and treas. Thos. Colich, mgr. and silpt. Cap. 8tk, 83,95,000. Monntain View, East and West, Collisia and 3 others, silver and copper. Shaft, 150,000 from, steam, turnaecs.
		Batte & Roston Mining Co., Boston, Mass., Sears Bildy, S. M. Crosby, prest.; A. S. Bigelow, seey, and freats., C. H. Palmer, mgr., Cap. sik., Scorrgont, Batte and Boston, Silver and copper, Shafts, 162,000 forus, free and refractory, steam, 40 stamps. Jas. Hootson, supt.
		W. A. Clark, cor. Broadway and Main sts. R. G. Brown, mgr, and supt. Black Rock, silver. Shatt, 1,600-tons, retractory, steam.
		roborado Smelling & Mining Co., Denver, Colo., Boston Block, Seventeemh St. N. P. Hill, prest. H. R. Wolcott, seev, and treas., Henry Wolfams, negr., C. W. Goodale, supt. Cap. (8th, Suppl.), Seam.
		Comanche Mining Co., 29 W. Broadway, P. A. Largey, prest; Chas. S. Warren, secy., L. A. Mantle, tiens., Good, H. Tong, high and supt. Cap. 8th 85,000,000. Comanche, silver and copper, 60,000 tons, retractory, steam.
		Licetric Mining & Reduction Co., 46 N. Main St. B. C. W. Evans, prest., Ben. F. Orentt, seey, and treas., J. H. Challebaugh, mgc. Cap. stk. 8450.000   Electric Nos. 1, 2, 3 and 4, gold.   Shatt, tree, hand.
		L. Friadenstine, 40a W. Mercury St. Germania, gold and silver. Shaft, 5,000 tons, retractory, steam,
		Glengarry, Mining & Milling Co., W. R. Kenyon, prest., H. C. Camey, seey, and mgr., J. V. Long, tteas, Cap. 8tk, 84,000,000. Glengarry, gold and silver. Shart, 1,500 tons: retractory. Steam.
		John A. Legrat, 267 Montana St. P. O. Boy 115. Cap. 8100,000. Gambetta, Victoria, Enreka and Collins, 250d, 8ifver and copper. Shafts, tunnels and slopes, 25,000 tons, free, retractory, steam, water, horse and band.
		Montana Manng, Loam & Investment Co., cor. Park and Main'sts. Henry L. Haupt, prest, trens, and ingl., class, al. Stevenson, seey. Cap. 8tk. 812,000,000. Fontteen claims, gold, silver and copper ofleveloping.
		The Ophir Maning Co., P. O. Roy 47., P. G. Lamson, prest and high, H. R. Malls, Seey., W. C. King, treas. Cap., etc., \$1,500,000. Ophir, gold and silver—Shaft, 4,000 tons, retractory, steam, W. C. Kiffe, sage

	GÖLD AND SHAVER (CONTINUED)		
Location of Mine, Railways, Water Routes and Shipping Point.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Orf., Kind of Mine, annual Output is Toos of 200 Pounds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine, Superinterdent.		
TOWN AND COUNTY.	or rough very, plant dilber, have plante very more vertically and		
Butte City S(Iver Bow $Continued_{eff}$ )	Original Mining Co., Broadway and Main Sts., W. V. Clark, prest., Bryan Ityan, seey., A. J. Johnson, trens., R. G. Brown, mgr., and supt. Cap. stk. 8150000, Original, silver and copper. Stope, 1000 fons; retractory, steim.		
	Vanore Mining Co., 16 N. Main st. B. C. W. Evans, prest and mgr., Ben. P. Orentt, seev. and treas, Cap. 8tk, 81,000,000. Golden Crown, gold. Shatt, tree, hand.		
Cable Deer Lodge Ry, Anaconda 402 (15 miles).	Cable Mining Co. James C. Savery, prest, and supt. Cap. stk. Steurer (Cable, gold. Tunnel, tree, steam, 30 stamps.)		
Canyon Ferry Meagher Ry, Hefena 293, 529,	Bell Gate Mining Co., Relena, Mont., 600 Butte av. W. H. Mickey, prest., W. R. Barnes, seev., John Oaks, treas., S. Barnes, jugr., Cop. 86, 810,000. Helf Got., 200d. Placer.		
	Van Camp Mining Co., Henry Van Camp, prest, seey, and mgt., John S. Buswell, treas. Cap. 8tk, 875,000. Cooper Gulch, gold. Placer bydraulic.		
Carter Alissoula Ry, Spring Gulch 529,	El Dorado Mining Co., Missoula, Mont.—M. G. Rutherford, prest, angr. and supt.—H. R. Hencock, serv. and treas.—Cap. 8tk, 8500,000.—El Dorado and Harrisson, silver and fead.—Shart and tunnel, a000 tons, band.		
**	Silver Galeina Mining Co., Missonia, Mont. J. H. E. Loster, grest., L. A. Warstanley, sery, and treas., J. W. Hargiave, high, and supt. Cap. stk. st.200,000. Silver Gelena, silver and lend. Tunnel, re- tractory, band.		
Castle Meagher Ry, Livingston 529 + 00 miles c	Vher Mining Co., Martinsdale, Mont. John M. Smith, prest., J. A. Mc Naught, seev., John Potter, treas., W. A. Smith, mgr. Cap. 8th, \$5000,000. Foundholder, Cher. Annie. Mand, and Alvona, silver and lead, Shatt, retractory, Scientic developing. W. A. Smith, 8 pt.		
	American Mining Co., J. M. Hensley, prest, J. P. Rhends, seey. J. V. Hensley, trens., J. F. Hensley, ingr. Cap. 848, 85,000,000. American, Challer and Vera, 2004. Salver and lead. Tunnels and shafts; retractory.		
	Anna C. Maning Co., Lavingston, Mont. J. C. Savage, prest. J. C. A. lass serv. and treas. J. V. Xve, mgt., and supt. Cap. stk. 84,000,000. Anna C., salver and leav. Tunn. J. governors telliarloty, strain.		
	Armada Mining Co., J. H. Kane, prest. T. Peavey, serv. W. H. Barnes, freas. W. H. Metealte, mgt., and supt. Cap. stk, 8 20000. Armada, Smarggler, Lafth and Sheeper, silver and lead. Shafts, Stram developing.		
	Baberick & Miles. Silver Fagle, lead and silver. Shaft thorse sleve top up. If H. Tooly, supt.		
	California & Hendrix Mana, Co. J. I. Hensby, press. N. I. Benson, seev. J. I. Hensby, treas, and mag., Cap. 348, \$5,000,000, California, silver and lead. Shah, 1,000 fons, retractory, steam, A. W. Steward, supt.		
	Camberland Mining and Smelting Co. Clas. I. Severance prest. E. H. Marty, seey. Jas. L. Fraser, treas. A J. Huneke, mgr. and supt. Cap. 3th. Shortyon. Carber and and others, silver and lead. Shutts, Face-tons, retractory, steam, smelter, 23 to ke.		
	Grande Castle Mining Co., White Solphin Springs, Mont. Tools Roteatt, prest. John Ross, seey. Cap., stk, 8500,000. Grande Castle No. 5, silvet. Shatt. hand, developing.		
	Hensley Bros. Morning Star, Be boot the Cast control Lamar, goods we copper and lead. Shafts and futurels, refractory sheam, developing		
	Lenox Maning Co., Livingston, Mont. W. D. Lifts, prost strees, and major to a A. Phis, sory. Golden Lagle, gold, silver and lend. Shafts. horse, S. I. Sanon etc.s. pt.		
**	Little Dof Mining Co., J. M. Kumpe, prest. N. I. Berson, any Mrs. Dottje Dogovan, floas, mill, and supt. Cup. 8th, 850,000. J. R. Dof, bankarious Sver., 8th at the sing Sup., Janu.		
	Mary Anderson Maning Co. H. W. Rowlen, post. H. Baytori, act. C. V. Wist, in, Peas. W. A. Bools, mgr, and supt. Cap. stk 82,700,000. Mary Ander on 2003. S. 31, 1900.		
	Elmer F. Phillips. Gold, silver and o pper. Shatt and ton a selectory band developing :		
	Joe Reed, Missouri, gold and silver Shatt (retractory) band		
	Solid Silvet Mining Co., Melviffe, Mont. Mr. Barry, post. P. Ven Chook serv and trens. Thus Buglies ingreand supt. Cap stk \$250,000. Solid Silver, severance lead. Shart, retractory, horse,		
	Winged Crescent Mining Co., P. O. Boy 2. Lee Sanousen, prest [8, 1] Simousen, seey and from a Hooda, and Cap Sik Shopoo. Wings I Crescent, good silver and lead. Shott and found, tree smelling, horse		
	Vellowstone Mining Co., Win Parberry, pp. 1, J. I. Howley, servoral totals. R. W. Peters, ingr., Coperation, 82,500,000. A clowstone, silver and lead. Short correctors, see implicate furnace, 12000 forms. No. 3, 1700,000.		
Carendish - Beaver Head	Dan Accord Place Mannet of 1 Stewart William rules   U. J. Rall stewart during Matthews L.		

Cavendish

By Linigrant 526 femi

Avendish Beaver Bead Ben Accord Placer Mining Co. J. Stewart Wallace, press. F. L. Ball, seev. and freas. Mutho C. L. RV, Red Rock 75c, 25. — Comiskey, Ingl. and Supt. Cap. sta. 820,000. How According to Placer water Clevators develop-miles.

Golden Lent, Pbf., London, Figg. 20. Martha schane, L. C., J. S. Waraker, prest. [H. C. Richardson, Seev. and Breas. J. B., Longmand, mar. Cap. 8th 87 75000. Golden Finh, gold and silver. Tunnel, Shutt and placer, Good house, Bre. S. Waraker, Pbf. W. James 8pf.

Deer Lodge (Champion Mining Co., Deer Lodge, Wort (N. J. Richen et J. prest (red ling)). Let Georgie Seef (H. H. Lodge Ro.). Zenor, trens. Cap 8th 84505 nc., Lafter, May, Avg. et a. in L.C. ampion, 8 ver., Small, thousand the strength of the Strain, 2084maps. L. L. Stonghton, supp. Champion Ry. Deer Lodge 169.

New Silver Grown Manny, Co., Chier, o., 19, 806 Laconia, Bidz., T. Galitzke, prest. J. C. Stochat, Sci. R. T. Kennon, Reas, J. Dyan Sampon, fugi., and supt., Cap. 876, 876, 978, 879, 1933, Av. Shaft, tree and retractory, steam.

Park John Cataldwell, North Star, 20fd. Shaff developing

Win, F. Gray, Back Pay Mines 1, 2 and a Buffe and Gophet Manes, good one's "ver". Tree, hand and horse developing.

W. T. Holdes. St. Julien, gold selver and esmath. Junio. Seption 5.

Loc.	TION OF	MINE.
EARLWA	is, Wale	n ROUTES
AND S	HIPPING	POINT.
Lows	AND	COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Chico

- Park Hudson & Blair, Gramte, Mont, Cap. 80,000. Morning Star, gold, silver and lead. Tunnel, 5 tons: free, 8, R. Hudson, mgr, and supt. ct ontraned.
- Krippner, Hoopes & Stands. Cap. \$30,000. Old Faithful, Gertie G. No. 2, Lilly, Moonlight and Cora K., gold, silver and lead. Shaft and lumnels, 45 tons; refractory; hand. Jas. M. Krippner, supt.
  - Montana Bismuth Mining & Milling Co., Helena, Mont. M. W., Johnson, prest.: J. W. Eddy, seey.; Thes. Goodwin, treas., W. J. Hobbs, mgr. and supt. Cap. stk, 82,500,000. Queen Bee, Minine and Tippecamor, gold. Trainests: retractory. Six Mile Placer Co., Livingston, Mont. Marchington & Dyer, proprs. Cap. \$10,000. Six Mile, gold. Placer;

- Jeffersen Buckeye Gold & Silver Mining Co., Helena, Mont. A. J. M., Hosom, prest.: Olof W., Anderson, secy, and treas., R. E., be Camp. v-prest. Cip., 4k, \$500,000. Government Bond, Clausey and Dan Tucker, gold and silver. Shafts and diffit, tree, steam developing. Ky., 293, 529,
- E. Redding. King Solomon, silver and lead. Shaft: refractory; horse,
- George Strobel, Cap. \$2,000. Blue Rock, silver and copper. Shaft and tunnel, 100 tons: Tree: horse,

Clarke Deet Lodge P. O. and Ry. Phillips. burg 529.

- Bi-Metallle Mining Co., 84, Lonis, Mo., 116 Laclede Bildi. M. Rumsey, prest, and treas., F. J. Casey, seey, Cap. 848, 85,005,000. Bi-Metallie, stiver. Shaff, 60,000 fors, refractory: steam: 100 stamps, 34 pans, 47 settlers, 8 rotasters, 4 dipers. W. Thomas Hart, spit.
- Massonia Chester Mining Co. Clinton Rv. 529.
- ester Mining Co., R. J., Weniyss, prest, and treas.; W. A. Logue, sery., mgr, and supt. Cap. 8tk, 8500, 000. Chester, silver. Shatt, refractory; steam. Combination Mining & Milling Co., St. Louis, Mo., 432 Laclede Bidg. C. D. McLaire, prest., J. B. Mellor, seey., A. Herriffield, Breas., F. W. Sheiman, mgr. and supt. Cap. 4tk, \$300,000. Combination, sliver. Shatt and slope, 2,0000 tons, free, steam, 20 Stamps. Combination Deer Lodge Ry. Pluffip burg 529 (9) hule of
- Conjet Ry, Wackes 293, 529,
  - deflerson Erickson & Ortling, Helena, Mont, Independent, gold, silver and lead. Shaft, 100 tons; refractory.

Park By Camabar 529 (60 m.).

- Catherine Noble Mining Co., Minneapolis, Minn., 427 Nucollet av. C. P. Luse, prest., C. P. Sutherland, seex., Win. Z. Mend, trens.; David Noble, ngr. Cap., 84, 84,500,000. Solid Silver, Rich Strike, Treadwell, Lady Elgin, Araban, and Alaska, Diamond, gold, silver, and lead. Shatt, tunnel; retractory; hand odeveloping). David Noble, supt.
- General Office Mining and Reduction Co., 8t. Paul, Minn. 8 L. Moore, prest.; T. S. Woodruff, seey., C. A. Clark, trens.; David Noble, nigr. Cap. 448, \$2,000,000. Mountain View and 9 other manes, gold, silver and lead. Tunnels and shafts, retractory.

Vinnedge Mining Co., Win, J. Vinnedge, prest., Mrs. Belle V. Drake, seey.; Alvin P. Vinnedge, ingt. Cap. vlk, 83,000,000. Silver King, Little Kid and 3 others. Tunnel (developing). Baylies, Riser & Arnold. Anderson and Umon, gold, salver, lead, copper. Shatt and tunnel, toutous; free, Ferens.

Deerfield Ry. Bug Sandy 293 (100 miles North Moccasin Muning Co., Lewistown, Ment. J. L. Harmon, prest, and supt., W. G. Norman, seey, and frees., J. H. Norman, mgr. (ap. 848, 850,000). Gold, silver and lead. Shatt and tunnel: retractory.

Ry, Great Falls 293,

Deer Lodge

Dillon

treas., J. H. Norma horse (developing). Emery Mining Co. N. J. Bielenberg, prest, and mgr.; H. H. Zenor, seey, and treas. Emery, gold and silver. Shart, 3,000 tons, retractory, steam. A. C. Cabel, supt.

Ry, 469.

Deet Lodge

i Mining Co., Jas. H. Mills, prest., Geo. S. Miller (seey., J. B. McMaster, treas., Sam Taylor, mgr. and supt. – Laon Mine, gold and silver. – Shatt; tree, steam.

Ry, Divide 776 (6 m.).

- Benyer Head day Hawk & Lone Pine Consolidated Mining Co., Edd., Lendon, Eng., Dashwood House, Old Broad 81, The Hon, Pousouby, prest., W. J. Layangton, seey., Henry Trideaux, mar, and supt. Cap. 3th, 84,32500, Lone Pine, Jay H.wk., sitver, Shatts and slopes, 15,000 fore; tree, steam, 2 mills, 25 statutos
  - J. Benton Leggat. Argyle, silver. Shaft, free; steam and horse. James Gallogly, supt.

Diamond City M Helena, 233, 529,

Meagher John M. Norris. Montana Regent and 2 others, gold. Tunnels and shatts, tree, retractory.

Drummond Deer Lodge Ry, 529 (40 miles).

Peaver Head Polaris Maniag & Milling Co., Helena, Mont. J. E. Knapp, pre-t., C. G. Currier, seey., O. T. H. Allen, ngr., and supt. Cap., stk. \$150,000. Polaris Mine, silver. Shaft and funnel, 2,000 tors, steam.

Hercules Mining Co., Butte City, Mont. John F. Firch, prest, and nigr., G. H. Maedougall, seey. Capsilk, \$2,000,000. Hercules, silver and copper. Funnel, free and retractory (developing). A. H. Hartt.

Duncan Callatin Ry. Betgrade 52% tom. c

Alt Johnson. Black Hawk, silver and lead. Slope refractory, hand (developing). M. E. Strickler. Oro Grand and Jo Dandy. Shatt and funnel, refractory.

Mr. son'a Bhek Bell & Quantrell Mining Co., D. O. Bogatt, prest., Frank Begart, sery., N. J. Myers, treas., A. W. Worre, ingr. and supt. Cap. sik. 8520,000. Black Bell, Quantrell, Surprise and Faume E., gold. Tun nel, tetractory, water observious.

(P. O. Mrs soula (Ry, 529)

Jener on Dunstone Mining Co., Helena, Wont, Chas, V Clarke, prest., John W. Eddy, seey., Chas. W. Gamion, Treas, Cap. 8tk, 81,000,000, Dunstone Mine, gold, 8ilver and Jead. Slope, 200 tons, retractory, hand.

EBchorn Rv. 529. Fikhorn Mining Co., Ltd., Lendon, Eng., 6 Drapers' Gardens, E. C., A. G. Brand, prest., Chas. Pakeman, seey., John W. Phanmer, mgr. Cap. 8th, 81,000,000, Ekkhorn, 8th er and lead. Shatt, slope, 18300 Cons. tree and retractory, steim, 25 stamps. Chas. A. Volson, 89th.

- Jefferson, Laison, Talus, Hyman & Wortmson, Patte, Mont. Silver King, gold and Silver. Tramel, 150 tons, retrac-
- Deer Lodge William Dyer, He'ema, Mont Ontario, gold and silver. Annuel and shaft, 3,000 tons, retractory, steam, Win Job, supl. Ulliston Tay, 529

GOLD AND SILVER (COMMERCED)		
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF FEINCHAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINL, KIND OF DEE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2/40 FOUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.	
TOWN AND COUNTY.		
$\begin{array}{ccc} \text{Elliston} & \text{.} & \text{Deer Lodge} \\ & (Continued,) \end{array}$	Grand Republic Manny Co., Helena, Mont , 40 Patisburg Block. J. C. Hallum, prest , Chas. A. Cook, seey, and freas. Cap. stk. 85,000,000. Lilly and Monarch, gold and silver. Shatts and tupnels, 10,000 tons; steam.	
	Will O'Kecte, Cap. 855,000. Alma, Clan Alpine, Jennie Hattiela, Alice Cooper, Jessie Wear and Water Right Mines, gold and silver. Sharts and trainels.	
	Richmond Mining Co., Wiles City, Mont. C. B. Towers, prest. J. B. Collins, seev., H. B. Wiley, treas., Win. O'Keefe, nogr. and supl. Cap. 8th, 84,000,000. Richmond, Nellie Eliake and Enteka, gold and sulver. Trained, tree and retractory, braid olivedeping?	
	Wall Street Mining Co., Helena, Mont. Hiram E. Farteli, prest, and treas, addin W. Eddy, seev., Cap. 8th, 81,000,000. Mary Ann. Raeme and Riving 8th, gold and silver. Tunnel, retractory, hand developing	
Emp.te Lewis and Clarke Ry, Marysvelle 529.	Golden Leat Co., Ltd., London, L. C., Eng., 29 Mart n's 'anc., J., Stewart Walkner, prest., J. Ea'l, seey and treas., J. Henry Longmand, may. Cap 8375 (co., Limpics Smithydle, Whip boorwill, Edi Ray and Gleaoung gold. Sharts and timnels, Japon born, free, stema, oo stampfull. Henry Northey, supt.	
	Kirley Bros, & Goodwin, Goodwin and Sage Hen, 202d and silver. Shatt and funnel, tree, horse and hand aleveloping.	
	Reaftie, Harris & Toole, Helena, Mont. Merchants' National Rank Bldg. Room 2.—bla, gold, silver and lead. Shaft, 1,200 tools, refractory. India . Mrles Cayamangh, supt.	
Flint Deer Lodge. (P.O.Deer Lodge City) Ry, 527 (drimbes	Volcano Gold Muning Co., A. H. Mitchell, proct., Lew C. denam, seev. Willia Ullermett, trees. Cop. 81, 500,000. Volcano and Gold Leaf, gold and silver. Tunnel and shatt, trees steam, developing	
Florence Missoula Ry, 529.	Batter Root Canal & Maning Co., Butte. Mont., ic Main. et. B. C. W. Evens, prest, and tens. Ben F. Occutt, seev., Go., II. Babesek, mgr., Cop. et. Saropool., G. G., Placer, water	
	California Marcia Co., California, 2014. Placer. R. W. Wictan, sopt	
PrenchBar Lewisk Carke (P. O. Canyon Verry) (Ry. Helena 200, 529 (Brunles).	Joel Prakes. Pr. Lee, silver Shafts and tunness, to tons surface revolutions.	
	Mrs onla Gold & Supplies Co., Missonia, Mont., J. H. L. Let al recognition of A. L. L. Las y passes. G. et al. I. C. Muck, new, and frees., A. D. Fartow, ngr., Cap. 378 Septice, Missonia, gold, supplies. Place developing.	
Gaten Meaghet Ry, Great Pall's 225, 293.	Dry Wolf Mining Co., Geaf Pats, Word. Stephen Pierse, may could bust, saver and lead. Shoft and funnel, tree, hand,	
	More & Graham - Cap, Sugree - Patcholas Jay Bard and Quee's, gold, silver and lead. Tunnel, our forsteer, hand $(1/4)$ -More, $(-q)$	
Gardiner Pack Ry, Camabar 529, 12 m	Creyrser Mountain Maning to Albeenia, Mont. P. F. Hartenberg Langeng Ladestweet and seven 1 (b). Edgerton, trens. W. L. Jewick, may. Cop. sik. Shoreover, Crewesse Woundam, gold. Shatts, former, and Sopies, Inductions. Proc. Stania, 29 (Langeng U. John Page 169), seef.	
	John L. Knowles - Gold - Placer, hand	
	W. J. Willin & Co., 81. Louis, Mo., 50 Waishington av. Tower Grove, and Prath, gold and silver. Trimel and shart, tree and tetractory. W. J. Walsh, supt.	
Glendale Reaver Head Ry, Melrose 776 20m.	G. B. Conway - Pedo, gold - Soperand fining), from water so yellowing	
	Hie 'a Consolidated Mining Co., Bicharapo's, The', We (1) S R who (John Homas) press (J. C. M., Cittleben, Seev. J. C. Weight, Breiss, H. Kimpenberg, and Cop. fis. (1996) (1997) Manage de and lead. (Stope) (1996) (1997) Jean and vate). water melect furnaces. Summel V Ear bone, supp.	
**	Terry Bros. Park View, selver and lead. A annel, 24 ms. 9 proctory, hand. David Terry, sept.	
Granite Deer Lodge Ry, Phillipsburg 529,	Granute Mountain Muring (e., 8) Lone, M. (Rennes, 88) rely Reg. [1] M. Rinney, prest. Thes. O. Hyman, seev. Paul V. Lone, there was present the control Wealth and start for the and made, 80, 75, 600 fours, retracted and tree milling, stain, a male, cost stanges. Thus, Wealt, generally Wealth Conference and	
Grantsdate Missoula Ry, 520.	$\label{eq:weighted_problem} \begin{picture}(100,000) \put(0,0){$M$ at the Gleindenning}, \ \ \text{add and silve} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
Great Falls Cascade Ry, 203, 202.	Blue Dock X Cascade Gold and Silver Managers (P. H. Hugas), and and mage G. W. Whater seem and treats. Cap. stk. 84.00000 (Blue Dock and Mainteen, silver and had a farmed, 2007ons). J. A. Carriori, supt.	
	Helena X, I fina Minarg Co., P. O. Boy Vo., "Obergas Mintal people of "O" I duard, seed a dimess Long to the Cape Sik Science, "Helena and "Dear globals, very control of "The adveloping"	
· · · · · · · · · · · · · · · · · · ·	Queen Esther Waning Co., P.O. Box of S. P. Boxman, prest. W. L. Haiston, serv and trees. Os a Olinger, ingrand supt. Cap. 8th Stopere, "Queen Esther, Lich Styer, berland rom. Tunner." (Chand development).	
(11 milles).	Gilchrist, English X. Eish, Anacon Ia, Monto Levi P. Morton, 20%, silver and lead. Shuttories in the developing a Walter R. Pish, sept.	
Helena Lewis and Chrice Ry, 203, 529.	tood Luck Mining co., P. O. Boy W. (Geo.), S.v., Go. prest. John W. I ddy, serv, and hage. Alberts. Howev, trens. Cap., std. Springer). Good Luck, her family slave. Skrifts, beth, her basse. Cv. oping a. H. K. Harryk, sind.	
	Meteor Mining Co., A. J. Setgman, prest. John W. Edity seev., A. M. Holt, treas. Cipesty, Stone, no. Meteor and Star of the West, gold, sover and early langed refractory characteristic horizontal star of the West, gold, sover and early langed refractory characteristics.	
	St. Haller, and a Collection of the St. St. on Microsci. Many and the North Collection of the St. St. on Microsci.	

8). Helena Consolidated color & Sever Manag Co., Mani st., Joan X. O.Reen, brest and mgc. T. W. Kuchit, Aspitest., E. O. Women, S. V. E. H. Kleinss annih, freed Cap. 3th Scionome. St. Herrie, Apparether, Vockfown, Davidand Jevington, Evington, Lytens of Light Street, and Tetractory, Land Jevicipeng.

Loca	CTION OF	MINE,	
RAILWA	S, WATE	R ROUTES	ı
AND S	HIPPING	POINT.	
Town	AND	COUNTY	

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

(Continued)

Helena Lewis and Clarke Sapphire & Ruby Co. of Montana, Ltd., London, Eng. Placer, gold and gems. Capt. Wood, supt.

He'myille Deer Lodge Ry. Avon 529 (35 m.).

Wintfach, Umon & McIntyre Gold Mining Co., Journal Bildg. W. G. Bailey, prest; G. E. Boos, seey, W.H. Clark, treas; Michael Cooney, mer, and supt. Cap. 8th, 8500,000. Wintfatch Umon and McIntyre gold. Shaft, L5000 Gols; free, steam; Huntington mill. American Silver, Copper & Refining Co., Chas, Cooper, prest, and mgr.; Jas. E. Marenm, seey.; Adrian Pritchard, treas. Cap. stk. \$00,000. Chance, silver and copper. Shaft, refractory.

Ry, 529 (3 miles)

Best Bros. Northern View and 2 others, gold and silver. Slope, open pit, placer, 500 tons; refractory; steam; 5 stamps. Geo. W. Best, supt.

Delamater & Odonegon. Cap. stk. \$3,000, indv. cap. \$1,500. Hobby Horse, Lost Carbon and Delamater, gold, silver and copper. Shalts and slope: 4rec and refractory; hand (developing).

Missonia Jules Norbee: Cabinet King, silver and lead. Tunnel (developing).

Hughesville Ry.Barker 293 (1) 5 m. /.

Meagher Paris Gibson, Great Falls, Mont., First National Bank. Barker Mine, silver and lead. Shaft, 1,500 tons, tefractory, steam. Wm. C. Stanley, supt.

Loretta Gold & Silver Mining Co., Milwaukee, Wis., 462 Broadway. John M. Connolly, prest; Chas. R. Groth, seep., James Poley, treas., M. Jumn, mgr, and supt. Cap. 8tk, 8500,000. Therr Mine, gold, 8tker and lead. Tunnel, 7,000 today. Jamel.

Independence Park By Big Timber 529 60 unles).

Van Arsdalen & Carpenter. Emerald, gold, silver and lead. Tunnels; refractory,

Jay Gould, Lewis & Clarke P. O. and Ry. Silver City 529 (20 miles).

Park Independence Mining Co. H. E. Leveaux, prest, and mag.; Jas. H. Hoyt, seey.; Jas. Pickands, treas, r. 529 — Cap. stk. \$500,000. Independence, gold and silver. Shaft and tunnels, free, steam; mill, John Anderson, supt. Jay Gould Mining Co., Helena, Mont. John T. Murphy, prest.; R. O. Allen, seey.; Jos. P. Woodman, treas., M. E. Downs, ngg, and supt. Cap. stk, \$2,000,000. Jay Gould, gold. Tunnel, 10,800 tons, tree; steam; mill, 10 stample.

Kah-pell Missoulit Ry. 293.

South Fork Mining & Milling Co. Chas. Burton, prest., Henry W. Heideman, seey, and treas., P. Y. Snuth, mer. and supt. Cap. sik. 85,000,000. Homestake and Silver King, silver and copper. Tunnel; retractory and free; water ofeveloping).

Lewistown Pergus By, Billings 529,

North Moccasm Mining Co. J. L. Harmon, prest., W. G. Norman, seey, and treas. Cap. 8tk, 850,000, J. T. Mine, gold, sliver, lead and copper. Tunnel and shaft, deep: free; hand (developing). J. H. Norman, supt.

Missonla By. Kootenan, Idaho. 529 (8 miles).

Ohio Mining Co., McAuley, Idaho, Thos. T. Cosgrift, prest;: Gurley Jones, seey., Daniel Cosgrift, trens., Jas. F. Ewing, nigr., Cap. 8th, 800,000. Uncle Sam and Companion, silver and lead. Tunnel, 600 tous, retractory, steam and hand. John cosgrift, spr.

fay. 776.

Snow Shoe Mining Co. H. G. Lougee, prest., B. Parmenter, seey.; A. F. Dunlap, treas.; J. G. Abbott, ingr. Snow Shoe, gold, after and lead. Tunnel; retractory; hand (developing). "Rerver Head Red Rock Sand Stone Quarry & Mining Co. Edwin M. Jacobs, prest.; L. C. Ford, seey.; Lawrence Sell-strom, treas. Cap. stk. 8300,000. Red Star, silver and red sandstone. Open pit.

Ry, 529 (3 miles). Park Livingston

Mill Creek X, Emigrant Mining & Smelting Co., Geo, T. Chambers, prest, and mgr., H. J. Miller, seey, and treas. Cap., 8th, 8t,000,000. Wisconsin, Vinnie M., Sadle C. and Gertie G., silver. Tunnel, retractory. W. P. Millholland, supt.

Missoula Ry, 529 (5 miles).

Legging Creek — Meigher - Printers' Mining Co., Great Falls, Mont. (8, 4, Kinsey, prest, and mgr., (6, 4), Perry, seey.; J. M. Patten, Ry. 234 (P. O. Morriss) — (1938. Capital stk. 8800,000. Columbus, silver and lead. Tunnel: free, hand.

McKeen Mis outa P.O Missouth Ry 529.

Lo Lo Chickamann Mining Co., L. M. Davis, prest, and treas. Pleasant Davis, seey, and mgr. Cap. \$500,009, Lo Lo Chickamain, gold, silver, copper and lead. Tunnel, 50,000 tons, water. Cliff Mining Co., Win, McKun, prest,, ingr., and supt. 8. F. Hodgson, seey, and treas. (ap., stk. \$1,000,000, Cliff, silver and lead. Shaff and tunnel; refractory, water.

Pergus Manden liv. Day Sandy girl conAnderson & Rhodes. Northern Pacine and Iron Clad, silver, lead. Shaft and tunnel, retractory, hand edeveloping)

Newton Cowan, Nellie Bly, gold. Tunnel: free, horse and hand.

8. Hanson, Voltaire, gold. Tunnel and shaft, free, steam,

Harman & Norman, Lewistown, Mont. New Year, gold and silver. Shatt, free milling; hand (developing). A. D. Harman, supt.

Thos. N. Kerr. Silver Chain, silver. Shatt and funnel, to tons, tree; hand,

F. L. Kingsley. Evening Star, gold, silver, lead and copper. Shaft and slope, retractory, hand (devel-

R. B. Matthews, Aankee Girl, gold, silver, lead and iron. Shatt; retractory, hand; he stamps,

Wiffiam Maurer. Black Hawk, gold, silver, copper and iron. Tunnel, retractory.

Martina Missonia Ry Frenchtown 529 25 miles).

Last Chance Mining Co., Robert Gay, prest., mgr., and supt., Theo, Bedard, seey.; John North, treas, Last Chance, silver and lead. Tunnet obeveloping.

D. M. Power. Barrett, gold. Tunnel, tree (developing).

Marysville Lewis & Charke

Big Oy Mining Co., Helena, Mont., 21 and 22 Pittsburg Block. Carey Emerson, prest., A. P. Dodge, seey., treas, and mgr., Cap. etc. 84,000,000. Big Ox., gold, silver and lead. Tunnel and slope, refractory, steam, forstamps ofeetologia;

General Grant Mining Co., Helena, Mont. Henry Juergens, prest, and supt., Trank Recce, seey, and treas., John Rumping, mgr., General Grant and Earthquake, gold, silver, copper and lead. Shatt treas., John Rumping, ngi. Gener and tunnel, retractory (developing).

Marysyrle Mining Co., Helena, Mont., 26 Power Building. Chas. A. Clarke, prest., John W. Eddy, seey, and treas. Cop. 3th, 85000001. Jeanette, Redemption and Mexican Lode, gold and silver. Shart and finning. developing.

		GOLD AND SHLVER COMMUNICAL
LOCATION O RAILWAYS, WAT AND SHIPPING	ER ROUTES	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Ore, Kind of Minf, Annual Output in Tons of 2,300 Pounds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine Supprincepet.
TOWN AND	COUNTY	The state of the s
Marysville,Lew (Contin	is&Clarke	Montana Co., Ltd., London, Eng., 42-47 Gresham House, Old Broad St., E. C., Stewart Pfyley, chairman, Thomas Neal, seey., Geo. H. Robinson, mgr., Cap. 84, 83,00,000. Drimt Lumon, gold and silver Tunnel Lund Shaft, S.0.00 (1008); referaetry, Steina, 2 mills, 110 stanges, Las, H. Berly, supt.
	**	St. Louis Mining & Milling Co., St. Louis, Mo., Room 412 Temple Bidg. Chas, T. Remme, prest., Henry E. Bartling, seev., and treas. Win. Mayger, mgr. Cap. 8th 85,000,000. 8t. Louis, gold and sifver. Shatt and Juniol. Free, steam. Chas, F. Mayger, supt
Meadow Creek Ry, Norris :	Madison	James McAllister. Grand Central, gold. Tunnel; retractory and tree, hand,
		$\label{eq:conditional} \textbf{MeKeig}(\mathbf{X} \textbf{Morgan}, -1). ap. 84k, 844,000, -Volta, gold, -Sharts, (tee, hand, -1).$
		Pandora Mining & Malling Co., Batte, Mont., Room of Silver Baox Block, C. H. Hand, prest, and mgr., C.F. Chapin, v. prest, Frank P. Gable, seey., Andrew J. Davis, treas. Cap. 8th, 800,000. Pandora, gold and silver. Shatt and levels, tree, steam, 7-stamps. J. G. Mettill, Supt.
	**	Henry C. Steblans. Mand 8 and Belcher, gold, silver and lead. Slope and tunnel retractory and tree. hore.
Missoula Ry, 529	$M(\sim 01(L)$	Gowrie, Mining Co., E. M. Tower, pre-t., Richard Marston, seey., J. M. Keith, treas. Cap 8tk, 8500,000, Cowrie, silvet
		Grantfe Consolidated Minarg Co., John F. Anderson, prest, and sapt., Geo. F. Brooks, seey. Iteas. and ingr. Cap. stk. 880,000. Gold, silver and copper. Shatt and funnel. free. horse. developing.
		Landowner Mining Co. W. J. Stevens, prest. Lee Worner, seey, and treas. Cap. 8tk, 800,000. Landowner, gold. Tree. steam. 5-tunps. developing.
	**	Little Anaeonda Mining Co. I. M. Tower, prest, and mgr., J. M. Keith, seey and treas, Cap 8tk, 81,00,000. Little Anaeonda, 81,000, and Icad, Shatts and tunnels, 5,000 tons, retractory, steam, O Jeldiness, supt.
		Missoula Gold & Supplier Co., Helena, Mont., J. H. B. Foster, prest., J. H. Chinek, seey, and treas., L. D. Farrow, mgr., Cap. stk. s25,000 - Gold and sapplieres., Placer.
		Old Signa Mining co 74 W Schilling, prest. W. J. Stephens, seev and treas. Cap. 8tk, 8100,000. Old Signa, gold. Proc., hand
		San Martina Maning Co., Thos. C. Mar. he'll, prest., D. D. Bogart, seev., W. B. Parsons, trens. Cap. 8tk., \$500,000. San Martina, 201d., Thee, steam, To-stamps, developing., John Scholheld, supt.
		Silver Gable Mining to Win Guderman, prest, and supt., 3/1/Harft seev. G. A. Wolf treas, Cap., 8tk, 85,000,000. Silver Gible and Fost Gabin, silver and lead. Retractory developing
Montana City (P. O. Mary 200, 520.	Actierson sydbe - Ry	Desrosiet, Dubie & Sacott, P. O. Fay, 15 (cap stk, 82,000). Blue Jay, gold and silver. Shatt and bunnel, 200 bins, free shand.
Nodaret By 205	Monahon	Commonpa Maning Co. Great Falls, Mont. Hon Pares Greson, post. John I. Mackay, serv. and freas. F. H. Domovan, [622]. Cap. 845, 85,000,000. Therefore makes [2504] and selver. Shafts. Jeveloping. F. H. Domovan, supf.
		Diamond B. Mining Co., Great Palls, Mont. Edgar I. Manthe prest. John F. Machay, seek and freas. Robert M. Raymond, high. Cap. (3) 8, \$100,000. Abordion and South Carolina No. 2, seek. Shaffs, 8,000 of Miss, free and retractory, steam. B. B. Baymond, supt.
		Dorence Mining Co., White Sulphin Springs, Mont. R. G. Weight, posts, A.M. Henry, see v. and from Geo. L. Johnston, mixt. and supt. Capastle 85,500,000. Photoners as very and head. Januards and shafts, 500 form, retractively, steam.
		Hornet Mining Co., Homer Thomas, prest. Harry Power, so y and treas., J. Fisher, mgr., Cap. 8tk., 8900,000. Hornet, gold, silver and lead., Shaff, hand.
		Ingersoff Mining Co. Great Fals, Mont. Allen Pierse, pp. d. Goorge Badge, seey and treas. Stephen Pierse, nigr. and supl. Cap. St., 84,00000. Ingersoff, Vulture and offiers, gold, silver and lead. Lumde. Lettaerory. Sciam.
		Keystone Minna, Co. J. L. Valaus, prost. J. R. Nosell solvy and from a tap sik should be keystone. Indusprie and Monumental, gold silver and lead. Shafts and funnels replactory hand. J. Lisber, sipt.
		Montana todd, Silvet, Platmum & Telburum Mana, ee Whate Suphur Springs, Mont. John C. I. Bar- ker, prest., I. J. Andersson, seev. and treas. David I. Barten, ngr., and supt. Cap. silv. 81,500,000. Benton, gold, silvet, and platmum, Tunnel, portons, tree-land.
		Queen of the Hills Mining Co. C. P. Downing, prest, C. I. Farker, seev, and mgr. C. I. Contad, trace- cing 3th Stronger Homestake, Queen of the Hills and O Brien, gold, salver, lead and copper. Shaff and tunnels, retractiony electronic Rene Corm, supl.
		Savage Maning Co., Great Faffs, Mont. Room 1) Cory 19dz. W. (Hanks, prest. W. H. Eace, seey, and treas., T. P. Atkanson, mgr. Cap. 6th Sourcette, Savage, saver and lead. Shatt. retractory. Lorse F. P. Atkanson, supp.
		Selver Horn Monney Co., Allen Partse need. Enchard Reports Serv. J. F. Heavy treas. Thus Right

Silver Horn Mining Co., Alten, Packse, prest. Reduced Bennett, seev., i. F. Henzy, treas. Thes. Rothers, 1 minel free hand sheet-plane statements. Hards Lye, Hatchet and Hatchet No. 7 gold and silver limited free hand developing.

Star Maning & W. Sing, Co., Great Labs, Mont. Jas. A Carrier) prest and tagg. H. W. Shearman sec., and treas. Cap stk \$1,000,000. Lyening Star and Morning Star, silver and lead. Shaft, retractory hand developing.

Smannt Maning & Willing Co., Goo W. Brown, prest. Isaac Waver, v. prest. Jac. S. Gotdon Seev. and mgr. V. G. White, teers. Cap. stk, Sourier. Salver and lend. Shart Tree Jacobs. High F. Whitshipt.

Thinh Mining Co. F. W. Tombs, prest. W. W. Hillis, seev. A. Anderson, the is a mixt and supt. Cap. stk, st,000,000. White Star and Blue Bell, silver. Tunnel, tree, hand.

Pardee Massonia Thomas Buffer May Day, Surpens and Buffer, salver and lead - Ferne, 9,200 ters (our elery Land Ry, from Mountain 52) cambles

# GOLD AND SHAVER CONTINUED

GOLD AND SHAER CONTINUED			
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POIN	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TOSS OF 2,00 FOUNDS, KIND		
Town AND COUNTY	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.		
Phillipsburg Deer Lodge Ry, 529.	Bland Mining & Tunnel Co., Win, Noble, prest., Josiah Shull, seey., Newt, Vanglin, treas.; H. L. Scott, nigr. (Cap. 8tk, 842,000). R. P. Bland and Pontine, gold and silver. Free (developing).		
	Combination Mining & Milling Co., Butte, Mont. C. D. McLure, prest; J. H. Harper, seey.; A. Husdi- held, treas., F. W. Sherman, nigr. Cap. 818, 8900,000. Combination, silver. Shaft, 20,000 tons; free: steam; 29-shamps.		
	Hope Minling Co. of St. Louis, St. Louis, Mo. Room 130 Lachede Ridg, John C. Porter, prest., Chas. A. Cuno, seey., G. A. W. Ang st. teca.; N. B. Rangeling, nugr. and supl. Cap. stk. \$1,000,000. Hope, silver, Stalts and Immel, J.000 1008, tree; deam, 10 stamps.		
The same	Puritan Mining & Milling Co., John McKeeliney, prest, and mgr.; John McKeeliney jr., seey, and treas, Cap. stk. 81,500,000. Puritan, salvet. Shatt, 10,000 tons, tree, steam; John Hard, supt.		
Places Jefferson Ry, 529 (3 miles).	Chisholm & Chisholm. Little Bonanza and Bed Rock, silver and lead. Shaft and funnels, 400 tons; re- fractory, steam. J. P. Hardy, supt.		
	Custer Muning Syndicate, 8t. Lonix, Mo., Room 13t Lackede Bidg. Charles Clark, mgr., Cap. 875,000, Custer, gold and silver. Shatt and tunnel, 4,000 tons, retractory; steam. O. H. Tibbetts, supt.		
	Jumbo Copper Mining Co., Helena, Mont., 24 Edwards St. F. J. Thomas, prest, mgr, and supt.; Chas. R. Sutton, seey. L. W. Heath, tren. Cap. sth 850,000, Jumbo, Pine Tree and Pioneer, silver and copper. Slaft and thinnel, retractory, deam.		
	Winston & Kendrick, Minneapolis, Minn., Room 2 Union Depot. Cap. 8tk, 850,000. East Pacific, gold, salver and lead. Tunnel, 2,000 ton., retractory, hand.		
Pony Madison Ry, 529 (4 miles).			
	Dunean & Hallohan. Banker, Southern Gal, Stephanite and 6 other claims, silver. Shafts and lunnels, tree, hand.		
**	Garnet Gold Mining Co., St. Louis, Mo., 226 Wa'mit st. T. C. Wood, prest.; J. M. Durdy, seey.; Geo. A. Zeller, trens., C. H. Wood, mgr. Cap. sts. 85,000,000, Galena Group, gold. Shafts and funnels, 500 tons, retractory, steam. John Hafthana, sup.		
*1	W. C. McKaskle. Belle, gold. Tunnel, 300 fons; free and refractory, water, 20 stamps.		
CI5 mile o .	Stock & Allen. Taconderoga, silver. Tunnel, refractory.		
	Frank Walters. Sarah Bernhart and Buitalo Bill, gold, silver, and copper. Shatt and funnel, 500 tons, retractory, water: 20 stamps.		
Princeton beer Lodge Ry, Unit 529.			
	Volcano Gold & Silver Maning Co. A. N. Mitchell, prest., Lew Coleman, seey., W. Bennett, treas. Cap. stk. \$1,500,000. A olcano, gold. Tannel, tree, steam. W. W. Turnes, supt.		
Quartz Ma souda Ry, 529.	Landowner Consolidated Mining Co., Missoula, Mont., 45 W. Main St. W. J. Stephens, prest. L. J. Warner, seey and treas, Robert Childs, ngr., and supt. Cap. 848, 82,000,000. Landowner and Sunday, gold. Tunnel, 50,000 tons, tree, Jeans and water; 10 stamps.		
Radorsburg., feffer our Ry, Toston 529 (trim.).	John A. Keating, Cap. 8100,000. Keating, Olno and Leviathan, gold and silver. Shatts and timnels, re-tractory, steam, 10 stamps (developing).		
	John M. Ralls. Mountain Glen, gold, silver and lead. Shaft, free (developing).		
Red Bluit Madison Ry, Noters 529 (10 m.)	Riversole Muning & Milling Co., Municapidis, Mann., Corn Evelange, D. F. Morgan, prest, and mgr., S. E. Loveloy, Serv. and freas. Cap. 8th, \$50,000. Raversole, Kathe and Hayward, gold, 8ther and lead. Tunnels, perfactory, hand developing. Thomax M Park, 8upt.		
Revenue, Made on P.O. and Ry. Norre (529)	Philis Muning & Milling Co., Bozeman, Mont., Room 5-Hotel, Block., Archiv G., Marcholandt, prest, F. R., Turner, sees, and treas., Augus NeWlaster, mar., Cap. 838, 8100,000. Highlill, East Hughill, Gold Dut, and 7 other mines, gold and silver. Shatt and tunnel, retractory, Steam. Damel McDonald, sapt		
	Revenue Consolidated Gold Mining Co. (O.S. Sanders, M. D., prest., H. L. White, seey., Geo. H. Eurtters, R. E. Turner, mar., Cap. 8th, Shownood, Revenue and Income, gold and silver. Shatt and slope, 65000 from, retractory, steam, 70-stamps. F. G. Turner, 1997.		
Ruman Lewis and Clarke Rv 525	Frederick A. Barnlund, Cap. \$10,000. Mont-zuma, gold, silver and lead. Shatt, retractory, horse,		
	Bantalo Mining Co., Helena, Mont. John F. Mulgren, prest.; James Cavenaugh, seey., Bernard Mulgren, trees, and fugg. Cap. Stk. Son,000. Buttalo, Mulgren, Albe, Cavenaugh, Adam, Julia and Augusta, gold, silver and lead. Tunnel, Joint of tools, retractory, hand, A. W. Foller, supt.		
	J. H. Conley, Nettie, gold and silver. Shatt, hand (developing).		
	A. U. Davis, Cap. 85,000. Silver Rect, Vitginia Belle, Mountain View, Jenette, A. P. Davis, Tiger, Mother and Ida Glenn, gold, silver and lead. Tunnels, refractory, steam (developing).		
	Dividend Mining Co., Helena, Woot, Saxth av, and Main St. W. E. Cox, prest, John W. Eddy, seey, and treas. Geo. R. Parker, mgr, and supt. Cap. 8th, 81,000,003. Katte Putnam, silver and lead. Tunnel, retractory.		
	Estella Mining Co., John Hed, prest., J. J. Hennessy, seey., Frank Hed, treas., D. Hed, mgr. Cap. 8tk., 8505,000, 1.stella, gold and silver. Shatt and tunnels, 25,000 lons, retractory, horse and water. M. Dugen, supp.		
	Golden Gate Mining Co., John Heil, prest., J. J. Hennessy, Greas., M. Dugen, ingt. Cap. 84k, \$200,000. Golden Gate, gold, silver and lead. Shaft and funnel, 5,000 force, retractory, horse and hand. Geo. Automorp., apt.		
	Harrison A.C., Haben i Want, Procker add and silver, Shatt 20,000 fons, Strain, W. Com, Shat		

Harrison X C., Helena, Wont. Eureka, gold and salver. Shatt, 20,000 tons. steam. W. Com. supt. Wm. H. Rattuem. | Bine Feed Modile and toenfer Anine, gold, silver and lead. Tunnels, 2,500 tons. (technical).

# GOLD AND SHAVER (CONDINCED)

	HIPPING POIN	et. Enty	Name of Mine, Kind of Obe, Kind of Mine, Annual Output in Tons of 2,00 Pounds, Kind of Power Used, Stamp Mills, Etc., and Namf of Mine Superintendent.
rows			
timini . r	Lewis and C! outinued :	larke	Heil Bros., Mankato, Muna, 5tt Frank st. Frank Heal, peest., John Heil, mgr. Cap. stk. 8250,000, Gold-Lent, gold, silver and lead. Shaft, 2000 fors, retractory. hot ac and hand. Joseph Stahl, supt.
		**	Heils Mining Co., John Heil, prest, and supt., J. J. Hennessy, e.y., Prank Heil, treas., Domin Heil, nigr. Cap. 33, 850,000. Peerless Kale, gold and saver. Shafts and funnel, 2700 fons; rett tory, horse.
••			Helena & Riman Mining Co., Helena, Mont. R. S. Hafe, prest., W. E. Frederick, seey, and trens., W. Gyne, mar. Cap. 4b, 84500,000. Furckar silver, heal and ron. Januels and shaft, 2000 fous, fractory, Jeans.
**			J. J. Hennessy, X. Co., Gold Com, gold, a view and lead. Shatt, to ctons, retractory and trees, horse, J. Hennessy, 3494.
		**	$\label{eq:land-sol} {\it Auckson X Gall, (Unp. 85000)}. \ {\it Black War not and level one, 201d, solver and lead.} \ {\it Shaft, 3000 tons, 4500 hand and horse.} \ {\it Wim, Jackson, apt. }$
			David Kriby, Walkerville, Mont. Cap. 820,000. Monte Chr. to and Savannah, gold and adver. Too and shall, 200 tons. retractory. band.
**			Lehman & Dornblut, He'ena, Mont, S. Main St. Jelegraph and Vexandria, gold, si'ver and lea Placer and tunnel, tetractory, steam and hand, 5 tamps developing.
			Mannioth Maning Co., Council Bluffs, fow a force I (theav. J. J. Hennessy, posset, S. J. Pathan, se and out a toe Summe's, tree — S. H. & Donnay (agg. Cap. Ga. Soorcey, Mannioth, gebb. sligand be d. Tunnel, Soorce on, perhapticy), for counting the cap. the d.
			Manuel & Day 1. Peter bayes, may 1 Mette, $\varphi(t,t)$ we hard lead 1. Stope, retractory from
			Peerless Jeanne Mining Co., Helena, Wont , Boom 2 Mercharts National Bank Bidg. J. W. Beatt prest and mg. H. R. comby, seey. Wit Chable, peach Comp. Peerless Jeanne, 20 safterf, Jeanne George, Shofts in a financial retractive of chain (see oping).
**			Queen Caty Maning & Developing Co., Helena, Mont. John S. M. See priest. W. L. Commans, etc., F. Whitaker, tens. Con. stl., 85000000 (Co.) Longer, Perland Congret. Tunnel developing
			Queen of the West Manug X M. (n., co., 9 f in Wint, of eH (s., a) it I. W. Comints, poet Is show, seev and mast I. L. Lanksay from a cape dis 85 account Queen of the West, hold, silve (s. load). Shart and funnels, netractory hor e
			Thomas Itavia, Atlanta, gold. Per an apper. Share, to come representation.
obinsor Ry. 48	Townsend	aliet 539	Bonanza Maning Co., White Su'phi t Spe (ag., Mont. John Manievy, prest. Also Galsson, seep. Jo. O'Mort, 1993). B. B. I. Gorney, Fig. (and prest, press) greater (a.e., v. cap. 8 magnet. Bonance, settlet and lead. "Sparts, refer of act and developing."
**		**	coopatra Mining Co., Be <sup>9</sup> ar, s., White G. Harta, press (1) И Толрег, core (A. L. Saxton, Reas). A C. Pue, mgs. and supt. (cap sike Socioper Coopatra, s.A. Care, co.). Small are lifety.
**			(c) Selets Maning to Alvan I. Bowen, press and mge. Algebra H. Bowen, solven and iteas. Capes Substitute Col. Science, Agrands and Socience (Learner).
			Filk Minnay Co., Whate Snaphur Spears, Monia alaba Pana, va presta alodar category, socyal alohir O Martensys at M. Miniphy, nucl. Co. p., by Society 1, a March Sevy years a Sheith free planted developing. J. Miniphy, sept.
			Hidden Peals to Manny Co., White Salphor Spenky, Mant. 1 Hostman posst: A. M. Henry, see Press, nuclear district Copy at S. Salphor H. Ten Fall view and foot Shart and leave that copy has a discognize.
			Pron that Moning to Hamp Kerley most Arease Wing from a visibility Moning Kerley may already the Areas appear in Pront Science Science of Same
			Jindge Maning Co., Wim Platberry, prest. I. J. Ann. Proc. Science and Imp. J. A. A. Wood, from Capes 850,000, Jindge, Ever and lead. Shrift (rec. J. en. Joy Sping).
			Mayerell Mann, etc., Whate Sciplici Seeing. Mant. Win, J. Lee, 1999, food at Lordfowny serves. Although then, H. H. Barnesing, and supher crystal street. Mayerela, Accumentation for reactively, hard sociologians.
			4 A. Powder's Managero, C., D. Many, John A. Wood, and root food J. Prawie, socy and D. as. G. N. Hagans, and supto-cape site \$20000 (4/8) Powderly and Jacob. Blanes, alvertainty and C. Shatts and fundament from Lorent Land.
			Roland Manugero. Machae't cone a, prest (C.A. Berson, sexton) press (John M. Marphy, m.g. (C. sta Sangor). Roland and Freisung Penetian, s.A. — Scott and tunnel, pressing level oping. J. Marphy, supt.
			8t Genevieve Mining Co., Hency Keete, prest als did P. K. (1998). Class II. Kerte, trees (1942) dain, mate and supt. Cap (3) 82,509,009. Top Lett. Queen Available pt. (Smits) (2016) etc., trees, horse observed program.
			With Shetwood X (a) (cap. \$5.00) If mond is very afflered Smatt, thin the horse
orlieste Ry M	t Deer Le elrose 775 - 7	nize In	$\label{eq:Meltose} \textbf{Meltose}. \textbf{Pond} \textbf{ X} \textbf{ Wells}, \textbf{ Glendate}, \textbf{Mont} = \textbf{Finite}, \textbf{got} \textbf{ a}, \textbf{s}/\textbf{vet} \textbf{ and lead} \textbf{ Shaft}, \textbf{ 100 tons}, \textbf{ret}, \textbf{ netory} + \textbf{c} \textbf{ a}, \textbf{ s}/\textbf{vet} \textbf{ and lead} \textbf{ a}, \textbf{ s}/\textbf{vet} \textbf{ a}, \textbf{ s}/$
11' (	Wolf Mea Stanford) (ker 293,	gher By	Monnfam Sale Mining Co., Great Palls, Wonth pite entral avoil 11 O Chowen, prest (F. R. Wicosyster V. F. Oleketman, trens. II. H. Chandler, may cape 37, source (East Chance and Mountain System and lead, Unimeds, Zeotrons tree librate Jacotskiens, mpt.).
Louis Ry B	Jeffe ediord 529-12	tson m	Comer & Gellogly, Townsend, Mont Swatzerland and New Lee gold, silver and lead. Tunnel end shortons, tetractory and tree shand to stamps. P. V. Comer, upp.
			Goodyear Maning Co., Helena, Mont., G Wentana National Rail, Ebig. T Mochaness, prest. O. y Sonard Raily Seey. and trens. Cap., stk., Shurmon. J. Lei, Jenny T nd, Hopethi and Cabrallar, 2005. and lead. Shaft, refractory, however developing. John Web ong P, so h.
			North I khorn Mining & Rediretton et a, Townsend, Mart. How A. Wood, prest, H. P. 12 and sovertheas. Win Wood, mgr., et al., statement. North I khorn Group, gold, salver, copper and better tree and red notely developing.

Tows

#### GOLD AND SILVER (CONTINUED)

LOCATION OF MINE.
Kailways, Water Routes
AND SHIPPING POINT.

COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

St. Lottes Continued.

- Jefterson West Buyton Mining Co. R. E. Cove, prest, and treas.; T. D. Farrow, seey.; Jas. Burke, mgr. and supt. d.: Cap. stk, 8500,000. Mountain Key, gold and silver. Tunnel; retractory; hand,
- Seven-Up Deci L (P. O. Stemple) Silver 203 (20 miles).
- Deer Lodge Evans & Howe, Helena, Mont., 822 Nmth av. W. F. Howe, mgr. and supt. Cap. 8tk. \$5,000. Last stemple: Ev. Chance, gold and silver. Shafts; retractory and tree; hand developing.
- Sheridan Madison Ry, Dillon 776 (35 m.).
- Noble Wining & Milling Co., 8t. Louis, Mo., 22) Chestmut st. S. M. Kennard, prest.; J. H. Wyeth, secy, and treas., D. Noble, ingrand sind. Cap., 8tk, 82,000,000. Noble, gold, silver and lead. Tunnels; retractory and free; steam; 10 stamps (developing).
- Silver Star Madison Ry, White Hall 529 By. Winter its miles).
- Wisconsin Creek Mining Co. David McCranor, mgr, and supt. Wisconsin Creek, gold. Tunnel: free and refractory, hand, to stamps (developing),
- Madison Bush Gold & Silver Mining Co., Marmette, Wis., Room 3 Stephenson Block. H. E. Mann, prest., L. K. Hall 229 MacNeiff, seey, and supr., W. A. Tanner, treas., H. Bush, ingr. Cap. 8tk, 850,000. Cyclone, Bull Dog and Marmette gold and silver. Tunnel, 300 fors, Free; hand. J. E. Woods & Co., Cap. stk. \$20,000. Crickett and Grasshopper, 20ld. Tunnel and shaft; free; steam; 5 stamps. J. E. Woods, supt.
- Fergus Spotted Horse
- V. L. Consolidated Mining Co., Great Falls, Mont. H. O. Chowen, prest.; F. B. Wileox, seey, and treas; Jas. Morr, mar, and supt. Cap. 8tk, 82500000. J. N. L. and Eureka, gold and silver. Shart, retractory, bross- developing). Snow Creek Meagher 1. P.O. and Ry. Neihart 293.
- O. Mandeni Ry. Junetren 52% Spring Gutch
- W. McAdow, Cap. 8100,000. Spotted Horse, gold. Shaft, 12,000 tons, free; steam, 20 stamps. J. M. Malm, supt.
- P. O. Carter, Rv. 529
- Missoula Eastern Consolidated Mining Co., Missoula, Mont. Т. M. Crouch, prest.; F. W. Cowan, secy., treas, and т. Rv. 529 mgr. Cap. stk. 8500,000. Eastern Consolidated, silver. Tunnel oleveloping).
- Ry. Bartler 776.
- Fergus O'Brien, Owens & Frizer, J. M. Owens, mgr. Cap. \$5,000. Alice, silver, and lead. Shaft; free,
- Stough & Malfby. Forest Rose, gold, silver and copper. Shatt; retractory (developing). Wolf Butte Consolidated Mining Co., Great Falls, Mont., P. O. Boy 93, Geo. N. Ator, prest., H. C. Ship-key, seey, and treas., Henry Skelfon, mgr., and sapt. Cap. 84, 84,000,000, Indv. cap. 8500,000. Lost Trail, 850ee, copper and lead. Shatt and tunnel, 1,300 tools, tree, horse.
- Stemple Lewis and Clarke Ry, Silver 293,
  - Bachelor Mining Co., Helena, Mont. Aaron Hersfield, prest., J. W. Chivers, seey.; P. J. Connor, mgt. and supt. Cap. stk. 850,000. Bachelor, gold and silver. Tunnel, 2,000 tons, free; 10 stamps.
- - Reed & Guillow, L. E. Guillow, nigr. Cap. \$50,000. Minnesota, gold. Trinnel, 500 fors; free; steam, 5 Missoula Claremont Consolidated Muning Co., John Dowling, prest, and supt., Geo. A. Kam, seey, and treas., Louis Met affy, mgr. Cap. stk. 82,400,000. Claremont, alver and copper. Shaft and tunnels; steam
- Stevensville Ry, 529

odeveloping)

- Chit Mining Co., Missoula, Mont., cor. Main and Huggins sts. Win, McKeen, piest. S. Fred, Hodgson, seey., First National Bank, trea., Forman Dictembort, mgr., Cap. stk. \$1,000,000. Clift, Dallas and Bine Bind, gold, silver and lead. Shatt and tunnel, retractory, water obevelopings. Frank Schnelber. smpt. Victor & Barnt Fork Mining Co., Victor, Mont. T. H. Hambridge, prest., A. Herbert, seey, and treas.; Tom J. Ocyanlt, mgr, and supt. Cap. stk. st.000,000. Burnt Fork, silver and lead. Slope, free, horse
- Stone Station Deer Lodge Aboutt Powell Mining Co., Cleveland, Ohio, Perry-Payne Railding. Joseph L. Colby, prest, and treas,: Rv. 529. Gharles F. Rand, secy. Cap. stk. 81500,000. Mount Powell, silver. Tunnel; tree. Alton L. Dicker-
- iset Geer Lodge Ry, Bonner 526,33 m. .
- N. H. Chamberlain. Clemantha, gold. Tunnel, tree. Huntington mill (developing). Supernor & Sanset Mining Co., West Supernor, Wis. R. J. Wennyss, prest, and treas., F. W. Downer, seey., W. A. Logue, agr., and supt. Cap. 8tk, 850,000. Wallace, O. K., Florence and 5 others, gold. seey., W. A. Logue, Placer, hydrauhes,
- Ry. Drummond Station 529 (30 m.)ess., Thompson Ry. Woodlan 529.
  - Mossoula, Lynch & Harrison. North Pacific, silver and copper. Tunnel, 6 tons; retractory.
- Three Forks Gallatin Montana Winning, Land & Investment Co., Bozeman, Mont. H. A. W. Tabor, prest, and treas.; W. N. W. By 520 of nulle 5. Blanck, seey. W. Berkin, mgr. and supt. Cap. 8tk, \$1,000,000. Placer, gold. Free, steam.
- Fownsend Meagher Ry, 529 (Majos in Jet-
- Three Porks Mining Co., A Hardebrook, prest., John Thorn, seey., J. O. Hopping, treas., W. Berkin, ingr. and supt. Cap. stk, 8500,000. Burlington, gold and copper. Shatts, steam developing).
- Minetal Hill Mining Co. J. R. Marks, prest. E. H. Goodman, seey, and treas., L. N. Thompson, mar. Cap 84k, \$500,000. Corn Cracker, Hablen Treasure, Red Wing, Green Castle and Transverse, gold, silver and lead. Shart, refractory, bose and hand. Union Maning Co., O. T. H. Allen, prest., H. S. Hyatt, seey., Samuel T. Green, treas. Cap. 8tk, 8550,000. Union mine, gold and silver. Shatt and tunnel, hand.
- Wardsor Mining Co., Townsend, Mont. Saint, I. Green, prest, and treas., A. B. Clements, sery, 8tk, 82,500,000. Summit, silver and lead. Slope, tree, horse odeveloping). O. T. H. Allen, Supt.
- P. O. Fiv, Idaho, Rv.
- Missoula Idaho Development & Mining Co., Fry. Idaho, Win. Rosegrant, prest., Herbert S. Baines, seey.; Thos. Idaho Ity. J. Johnes, treas. Arthur B. Raines, angt. Cap. 8th., 8anool. Neptune, Longh Nit. Ida. Mineral King, Kingston, Wiepath, Charleston, Alfa. Monitor and New Castle names obeyelopmer.
- Ewin Builders
- Madison, Crumb & Pritchett. Tidal Wave, silver and lead. Tunnels and slopes, 50 tons; refractory, hand.
- Unionydle Lewis & Clarke Mac Mining & Milling Co., Helena, Mont. A. McLean, prest., H. A. McLean, seey, and treas , J. C. Mc-Ry 529. Cann. mgt. Cap 84k \$1,500,000. "Mac and Gold Bag, gold. Tunnel, tree, steam; 2084amps.
- Utica Pergas Ry, Atmington 297 66 miles) Fergus (George Craim: Prairie Re'l and Amazon, gold, silver and lead: Shatt, retractory, hand (developing).

# GOLD AND SHAVER SCONTINUED

GOLD AND SILVER -CONTINUED			
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Rind of Ore, Rind of Mine, Randal Output is loss of 200 boxnos, Rind of Power Ceed, Strand Mills, Erc., and Name of Mine Styfernitisters.		
TOWN AND COUNTY.			
Victor, Missonia Ry, 529.	Helena & Victor Mining Co., Helena, Mont., 113 Main St. (S. T. Hauser, prest., A. P. Loberg, socy., A. M. Hotter, treas., Geo., O. Kilbourne, mgr., and supt. Cap. stk. slow, our Curlew, silver and lead. Shatt. 3,000 tops, retractory, sleam, concentrators.		
•	Legal Tender Silver Mining Co., Missoula, Mont. Gust. Moser, prest., J. H. Lairchild, seey, and treas., J. V. Hickey, mgr, and supt. Cap. stk. \$500,000. Lion. Lioness and Homestead, silver and lead, shaft, It from, free, horse.		
Vipond Benver Head (P. O. Dewey) Ry, Invade 776.	Great Western Mining ( o. J. C. Priend, prest. Ldward Beattle, seey, and supt., Offo Eckel, treas., Peter Johnson, uigr., Cap. 8th 85,000. Great Western, silver., 5,001 tors. Tree, Horse,		
Walkerville Silver Bow Ry. Butte City 293, 529, 776.	Alice Gold & Silver Mining Co., Salt Lake City, Utah, care of Union National Bank. Alos R. Walker, prest, L. H. Farnsworth, seev. M. H. Walker, frens. Win, F. Hall, mgr. and supt. Cap. stk. 816, 060,000. Alice, Magna Charta, Valdimere, etc., stver and gold. Shafts and funnels, 45,000 tors. Free steam, 98 staints.		
	Moulton Mining Co., Butte, Mont. W. V. Clark, prest - Alex, J., Johnston, treas. J. K. Clark, mgr. and supt. Cap. 8tk, \$2,000,000. Frank Moulton, silver - Shaft, 5,000 tons - tree, steam, Ft stamps		
	Societe Anonyme des Mines de Leyington, Paris, France. A Rue Le Peletier. M. de Biancour, prest. M. F. Stouft, seev. Class de Ringger, ingl. and suppl. Cap. 8th 1700000 transes. Devington, gold, silver, copper and lead., Shatt, Lovoctours, retractory, ste un, lo stamp.		
	Badd Monntain Consolidated Mining Co., Oakland, Ca. 997 Broadway, C. W. Wilkins, prest, Al. C. Rigner, seey. Cap. 8th 8500001. Badd Moontain, volu. 8th attend former. Prese.		
	Butler & Levy B & L and Jambo, gold - Furnels, tetractory developing		
	James & Hedge Gold, Placer, hydraulie		
	Tamba Mather (tap 8500,00) Mounte in Oberen, On sylano Borner (Circle Folders), Neer També 36,000 tons, tree, water, no stamps. Mediand Lamb, 30pt.		
9	Montana Hydrawis: Mannig Co., Helena, Mont., L. H., Newseton, may be Govern Point of some open-		
	C. M. Panckuck. Gold. Lannet refractors and free sleve open,		
**	Tumberline Maning Ca., Pattsburg, P. (37 Fourth ever casen West, problem of P. Murcay specified, in the Recurrent Needler, must and sept. Cap. 85 (80000). Problem, in teor. 2 3d spil spil system. Problem water developing.		
0.00	Walton, Gleason & Hodge - Chance Mane, 2010 - Lumae - 19 from 20 - 10 from		
- Washington Gulch Deer Lodge Ry, Avon 529 (20 m), .	Butte & Deer Lodge Placer Maning Cost Boer Lodge, Montal John P. Rear agree 3. W. L. Stanfer and trees. Junior Smith, agree and sopt. Placer Man. 2009. We fee		
	Hackney, Bush & Olettech - Nos. 1 and 4 counts 20 P		
	Kessinger, Dietrich & Hackney - Baccarat, 2051 s lyet copper and $x_0 = 8$ (c) $x_0 \in \mathbb{R}$ that is a		
Wintehall deficient Ry 529			
	A. W. Gallet. Buffer, god is terred present a constraint and a few property of the constraint.		
	Halle, Boyst & Brockway Beth. Mont., 5d. S. Montana, 2. The String agree of Win Bers, and Librard Halle there. H. I. Brockway ingree for a force of Proceedings of Win John Science of Management of Management (No. 1997).		
	J. I. Part she Gold, sover and lead Shuff, or tensor to		
	Shott X Jordan - Old Jan. silver and lead - Shall be trained -		
White Meigher Ry Heien (2007)	John S. Bristo. Goge. Physical broad and		
	James Merabe Hetera Monte Gote Places certisene (a) Stephen II Senter (N. Monament, gote and (b) et al. (b) et al. (c)		
White Sulphin Springs Meagher Ry Fownsend 22 40	Castle Crescent Min na Co., 3. W. Danhama p. et al. 1, 2, 3, 4		
imites ;	Grasshopper Mining co. B. R. Shermon, possibilities (1.4 Ann). The problem of a positive Source Grasshopper, save a Sharp to the		
	Mountain Grande Mann, Co. D. Well, W. Kay about Mar, With the rose of the GM $_{\rm B}$ of skt. 800,000. Grande Mountain, slyetains and difference is		
	Charles Stiller, Cap, shogon - Dead Cetting, gold, sover and lead - Still - over given marches - in		
Wickes Jensenson Rv 20055	Alayesko Maning Co., Rea Jacket, Men. O of Party press, and A. Sassa, and A. A. A. Landrick, and Kohisa inguland super, Cape six Sassaco to opher and Barak Berei, so we have only a		
	Barta Bros. Cap. 84,000. Under Sam, good, salver and lead. Stops, retrictory horse, even on a		
	Blanne Maning Co., He ena. Mont. S. A. Stone, Gaptest. With Green consequence that see that con- sits Silvenore. Blanne, gold, after a quest one final. Limit Paral State seed a seed of the Novel. Off-sing similar		
	Bobbie Burns Winnig Co., Hefena, Wont, Hand C. Barley Block, A. H. N. Lengtest, W. M. G. Settlesseev, George W. Pastre, treas, J. W. Scielan, m.e. and stept. Co. st. Science. Balting Bernsgold, Silver and copper. Tarmed, spowtors of Printerly Indise.		

Claney Creek Mining Co. St. Payl. Mann. Lowth and Bookbay A. S. Morton proof. Chales P. Johnston, seey. H. M. Hood Pears Carp sta Stogeo. Richmond. Lexington and Coloring, observed and bod. Immediately out proceeding the proof of very a proof. H. Benneh step.

LOCATION OF MINE

# GOLD AND SILVER CONTINUED

LOCATION OF MINE, RAILWAYS, WATER ROLL AND SHIPPING POINT	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERS IPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF OUE KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 204D POUNDS, KIND OF POWER USED, NAME MILLS, FULL, AND NAME OF MINE SUPERINTENDERS.		
Town AND COUN			
Wiekes Jeffer (Continued.)	on Charles H. Hener. George Croghan and Cruiser, gold, silver and lead. Tunnel, 240 tons: retractory: hand.		
	Jacob Kaut. Blizzard and Blizzard West, gold. Shaft and tunnel, 1,000 tons; refractory, horse and hand,		
	James Thompson. Blue Eyed Nellie, Shepard, Mary Black stalls, gold, silver and lead. Tunnel, 150 tons: retractory; hand.		
-0	Two Cripples Mining Co. Thomas Williams, prest., E. H. Rankin, seey, and treas.; John Bowden, mgr., Two Cripples, gold, silver, copper and lead. Shaft, retractory; horse.		
Woodhearst, Meag (P.O. Great Falls) Barker 529 (20 mil)			
Woodville Jetter Ry. 293.	son John L. Ekstrom, Cap. \$18,000. Ekstrom and Otranto, gold and silver. Shafts and tunnels, 700 tons: free and retractory, hand. John Gilbert, supt.		
**	· (C. E. Kinman). Nellie Kinman, silver and copper. Shaft, refractory, steam.		
	Leo Mining & Milling Co., St. Louis, Mo., 363 N. Third st. 4. Freund, prest.; J. Meyer, seey.; J. Muecally, treas., samuel Schwab, mgr. Cap. 84k, 82,500,000. Leo, gold and silver. Shatts and funnels, free, steam. Adolph Zimmermann supt.		
Voge Rv. + Great (Fall) - 293	aer <sup>†</sup> Aeme Mining Co. H. F. Luckett, prest., E. L. Luckett, seey, and treas.; Louis Pepin, mgr. and supt. 22. Cap. 8tk, 860,000. Acme Placer, gold. Hydraulic.		
	Emmett R. Carroll, Cap. 8500,000. Placer Mines, gold. Free; water and steam.		
	<ul> <li>Gold Mining &amp; Reduction Co., Utica, Mont. John D. Waite, pres.; Fred D. Warren, seey, and treas- tions Fepin, mer, and supt. (ap. 8tk, \$500,000. Climay, Tiger and Manganese Lode, gold and 8tiver, Shaft and tunnel; free; hand.</li> </ul>		
	Judith Gold Mining Co. Judith, gold. Placer: hydrautic. Edgar Boling, supt.		
	<ul> <li>Fred Kensenbach. Cap. \$500,000. Christopher Columbus, gold, silver and lead. Shatt and tunnel: re- fractory. hand. Louis Sarchletti, supt.</li> </ul>		
	<ul> <li>Nethart Gold, Silver &amp; Lead Mining &amp; Rechetion Co., Great Falls, Mont. John A., Hay, prest; James Donovan, seey; F. E. Collins, treas. Emmett R. Carroll, mgr. and supt. Cap. sits, \$1,000,000, Queen McMina, Weither Wax, Minle Sloane and others, gold, silver, copper and lead. Shaft and tunnels, 5,000 tons; free mid refractory; steam and water.</li> </ul>		
	New England & Belt Monntan Minine Co., Roston, Mass., 23 State st., Room 465. H. G. Forr, prest, Difs. M. Shaw, seey.; Goo, H. Appleton, treas.; Emmett R. Carroll, mgr. and supt. Cap. 8tk, 84,000,000. Entit and Eliza Mines, 2004. Stiter and lead. Shairs and tunnel, 20000 fons; tree: steam and water.		
York Meas Ry, Helena 293, 529	her Robertson & Kuicade. Gold Speck, gold. Shatt, 30 tons; retractory; hand. H. L. Kincade, supt.		
	R. C. Robinson, Cap. \$4,000 Golden Cloud, gold. Shatt, 500 tons, free; steam,		
	<ul> <li>S. A. Stevens. Last Rose of Summer, gold and silver. Shaft, Iree (developing).</li> </ul>		

# IRON

RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY	NAME OF COMIANY OF INDIVIDUAL, LOCATION OF PERSONAL OFFICE, AMILY OF OFFICIALS, CAPITAL SPOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUTTY TONS OF 2000 FOUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT
Castle Meagher Ry, Lavingston 529.	Compromise Mining Co., Billings, Mont, Thenry W., Rowley, prest, Geo, M. Hayes, seey., Chas. A. Wustinn, treas. Cap. stk. \$5,000,000. Compromise developing.
	Merrimae Mining Co. (local), [J. T. Westbrook, prest, and mgr.; L. Peavey, seey, and freas. Cap. 8tk. \$300,000. Merrimae, manganese iron. Shaft, 2,000 tons; horse, [J. T. Westbrook, 8upt.
Elkhorn Jetterson Ry, 529,	Benjamin Foster & Co. Monarch, brown hematite. 1,000 tons; hand.
Wickes defferson	Dean & McArthur. Timberline, iron pyrifes and bismuth. Shaft, hand.

Wifts Beryerh and Shelby Mining Co., Dillon, Mont. Guy C. Rarton, ptest., B. F. White, seey, and treas,; Ozias Willis, mgr. and supt. Cap. 44, 8250000. From City and Cumberland, magnetic ore, surtons.

# STONE, MARBLE, GRANITE AND ONYX

RAILWA	ATION OF OR QUAR: YN, WATE SHIPPING	RY. R ROUTES
Town	AND	COUNTY.

COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Bozeman Ry, 529,	Gallatin	Pofsdam Stone Co. R. B. Turner, propr., Room 5 Hotel Blk. (cap. 850,000. Potsdam sandstone: Slope, 20,000 tons; horse and hand; mill.
Castle Ry, Living		George Berry (local). Cornelius. Open pit; kiln, so tons.
Great Palls Ry, 293.	Cascade	Edward J. Canary, Sixth st. and Second av. Jocala. Cap. Storoo. Canary, red sandstone. Open pit. 10,000 tons; hand. Thos. Pringle, supt.
**		Great Falls Quarry Co. M. S. Perker, prest, mgr, and supt., Edward W. Keffy, seey, and treas. Cap. stk. 800,000. Sand Coulee, sand-tone. Open pit; hand; mdf.

Riverside Stone Co. (loca'). [J. D. Taylor, prest, and mgr.; [J. C. Oaklend, seey., M. C. Kelsing, treas. Cap. 850,000. [Riverside, lane and sandstone.] Stope developing. Jefferson Lefterson Lime & Play Co., Butte, Mont., Scand S. W. Granife et J. P. T. McBride, prest, Geo. H. Cassy, seep, and treas, D. A. Wertson, ang. Flavet ode, functione and flux. Open pd. 17,00 form flux, steam, kiln 250 form, 9 A. Wortson, and Lime Spin . Ry, 529.

Livingston Park O. W. Mattson, Cap. 8500,000. Lay reston, "mestone, 4,500 tons, hand, Ry, Grande Gate 529.

SEE ALSO SUPPLEMENTARY LIST.

# NEVADA

# ANTIMONY

LOCATION OF MINE. BAILWAYS, WATER BUT ITS AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, AND NAME OF MINE SUPERINTENDENT.

Churchill, W. A. Van Reed, Ruby and Walioe, Tunnel, hand, Bernice Chur Ry, Lovelock s 776.

Lavelocks Humboldt James Suffierland, New York City, 16 Exchange pl. Cap. \$50,000. Black Knob. Shaft and funnel, 1,000 fons; horse, A. H. Hufelins, supl. Ry, 776

Peavine Nye Peavine Antimony Mining Co. Anaeonda and Ashley, autimony. Shart. Ry, Sodaville 108.

#### BORAN

LOCATION OF MINE. RAILWAYS WALER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF I'RD CHAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, AND NAME OF MINE SUPERINGENDENT

Tows

Columbus Ry, Candelatia 108.

Heilman, supt. Paethe Coast Boray Co., San Francisco, cal., 230 Montgomery st. F. M. Smith, prest., A seey. Borate and earbonate of soda, marsh. Steam and horse. C. B. Zabriskie, supt. Alten H. Clough,

Ry. Belleville 10s. Teets Marsh - Esmerald: P. O. and Ry, Candela Esmeralda

Paertie Coast Boray Co., San Francisco, Cal., 230 Montgomery st. F. M. Smith, prest., seey. Borate and earbonate of soda, marsh. Steam and horse. C. B. Zabriskie, supt. Alton H. Clough,

White Plans Chinebili, Desert Borax Co., Desert horax, Walter Schmidt, subl Ry. 692

# COPPER

LOCAPIUN OF BUILD RAILWAYS, WAREL BOUTES

NAME OF COMPUSY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF WINE, ANNUAL OUTFUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, TURNACES, ITC., AND NAME OF MINE SUPERINTENDENT

Button Ry, Etho 602

12ko Blue Bell Mining Co., San Francisco, Cal. 212 Sansome st. S. W. Levy, prest., H. P. Bash, seey., Anglo-Californian Bank, treas. Cap. 8tk, \$600,000. Blue Bell, copper. Shaft and funnel.

# GOLD AND SILVER

RAILWAYS, WATER ROTTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILES, LTC., AND NAME OF MINE SUPERINTENDENT

Objection office.

Alaba — Humboldt Stone, Trimlow & Co., Stege, Cal. War Eagle, gold, silver, lead and autumony. Shaft and drut, 9,000 tons, dP O. Lovelock's Ry — refractory, horse. Geo, Lovelock pr., supt

White Page Are our

vis & Santord, - Lucky Deposit and Argenta, gold, silver, lead and from - Shaft and tunnel, 500 fons - re-tractory, band - Sinon Davis, supl.

W. B. Lawler, Grizzly, Free Coinage, Double Standard and Buthon, gold and silver. Shaff and cuts, to lons, tree, hand (developing).

Bald Min. — White Pan (P. O. Cold Creek) Ry Eureka 255.

Whate Pure a harles Born. Lady of the Lake, gold and silver. Slope, 200 fons, tree, hand,

Ry. Austin 4- 0 (85 m) c.

Nye Barcelona Mining Co., New York City, 31 and 33 Broadway. Geo. Doyle, prest., Geo. Furighten, seey, and treas., Chas Metregor, may, and supt. Cap. 4k. 8500 5000. Barcelona, gold and silver. Tunnel, requestory, Scana, Huntington and Stome mill.

Green Aldrich, Seventy-seven, silver. Slope, fictions, free, hand, 2-stamps

Churchill

Win, Met ann. Met ann, silver and quick-sliver. Shaff, free, steam, Fureka Ervar & Richardson. Oneonton, Puritan and London, gold, silver and lead. Tunnel, retractory developing). J. A. Ervin, supt Wilson W. Williams, (Cap. \$50,000. Golden crown, gold and silver. Tunnels, 3,000 tons, retractory; steam

Wallace Goodell, supt. o stamps. Bristol Decelopment Co., Municapolis, Main , 30, 170 st. av. 8. W. D. Hale, prest , T. E. Hughes, seev., W. W. Huntington, treas. Cap. ath. \$200,000 Maydower, silver, Slope and funnel, retractory, steam, by stamps.

Dr. tot L neofn

# THE MINING DIRECTORY—MINES.

# COAL BITTMINOUS CONTINUED

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.			NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL NEOCK, NAME AND RIND OF MIKE, ANNUAL OUTPUT IN TOSS OF 2,000 FOUNDS, RIND OF FOWER USED, COAL BREAKFES, WASHERS, CORE OVERS, AND NAME OF MILE, NOTERINTENDENT.
Town	AND	COUNTY.	
Krumroy Ry. 77	ς, .	Summit	C. H. Gregg [local]. Gregg. Shatt, horse developing.
Lathrop Ry.	766,	Athens	Black Dannond Coal, & Coke, Co., Columbus, Ohio, Roard of Trade Bidg., Robert W., Calbert, prest., Milton Hopkins, seey., J. H., Earnshaw, treas, and mgr., Cap. 8th, 8500,000. Black Diamond, Tunnel, electricity, breaker, 7c coke covers, capacity Leono (no. 6color) and Alimbe Fox, super-
			McKinney Coul & Coke Co., Zanesville, Ohio, 42 N. Fourth st. [O. F. McKinney, prest, and mgr., F. E. Huggins, seey. and treas. Cap. 8tk, 8100,000. Slope, steam, developing. Thomas Ope, 8494.
Laurelton Ry. P 563,	ortland	defferson i Station	Wheeling, Lake Eric & Pittsburg Coal Co., Toledo, Ohio. W. R. Woodford, prest., Downer Adams, seey, and Ireas. Cap. 8tk, 81,000,000. Laurelton, Tunnel, 150,000 fors. horse: George Atherton, supt.
Leesville Ry, so	o.	Carroll	Met reary & Moore (local). Ball. Open pit, 1,379 tons; hand $-0^\circ$ C. Met reary, supt.
**		**	A. Preston (local). Open pit, 600 tons, hand.
Longstret Ry, 18		Hocking	Columbus & Hocking Cord & Iron Co., Columbus, Olivo, Board of Trade Bidg. A. O. Moss, prest. S. A. McMangad, seep., W. J. Redington, treas. R. H. Johnson, v. prest. and gen. mgt. No. 19. Brift, 60000 fons., steam, electricity. Am. Furguson, supt.
Lyonsdab Ry. 16		Perry	M. Meenan, Cap. S10,000. Lyonsdafe. Tunnel, 30,000 tons, horse
McArthur Ry 18		Vinton	Benjamin Newlan (local) - Funnel, 472 tons, (horse
McCimevi Ry, 32		Perty	Crawford, Gaver Bros. & Co., Cap. 84,000 (Lagle: Tunnel Thorse (developing)). Win Gavet, supl
McLimey Ry, 16	4.	Perry	J. H. Jones, Cap. 85,000. Beech Grove. Tunnel, 35,749 (ons. horse. George Savage, supl
Malyern Ry, 17:		Carroll	Phoemy Lite Clay Co. (C. V. Weaver, prest "R. Roberts, seey, and treas", Samuel Hodkinson, mgr. (Cap., 818, 875,000). Phoemy — Stope, 4,500 forus, hand
		y.Clinton	Brewster Coal Co., Akton, Olno, 9008. Majn st., Mexam let Brewster, prest. A. K. Brewster, social and Brass. A. A. Brewster, mgr., Cap., sik, 8100,000. Furkeyrood. Shatt, Jagoot lons, steam. John F. Menchan supt.
Martins F Ry. 17		Belmond	Gaylord Coal Co., G. Edwards, prest. Theodore Snodgrass, seey, and treas. Jonah Lewis, mgr., Cap., 8tk, 820,000. Open pit.
	1, 585, 8	Stark 09,	Howells Coaft to Anthony Howells, prest, and mgr. John C. Worght, socy. J. D. Wetter, treas. Cap. slk 800,000. Anderson. Shaft, 60,000 fors, steam. Tyand Tyans, sopt.
**			F. G. Krause & Co., cor. Sherift and Prospect sts., West Wassillon., Shift, adoptions, steam.
**			Massillon Pigeon Run Cod Co. A. Howells, prest, and mgr. J. S. Howells, seey. J. D. Wetter (treas Cap. 8th 8200000). Pigeon Run. Shaft, 45000 tons. Steam. A. H. Ovens, s. pt.
			John Moore, Bradgeport Tunnel, 1,150 tons, hand
			Upper Pigeon Run Coal Co., W. K. I. Warwick, prest, and treas. The uhard Kelher, seev (ingr. and supt. Cap. 8tk (stocoo). Upper Pigeon Run (Staff), steam, developing
			Waitwick Coal Co. Reinhard Keller, prest (mgr. and sept. W. K. L. Waitwick, seev and treas) cap (stk/stuccom/Waitwick/Shaft steam developing)
			Wheeling, Lake I to X Pittsburg Goal Co., Foledo, Oliver, Cherry St., W. R. Woodford, prest. Downer, Adams, seely and freas. Cap 8th 81,000,000. Forcest: Shatt first tons. For se., R. H. Wannettj. Hr. supt.
Maidlepor Ry. 18	nt. 1,344,5	Meres	Michael & Edwards ("oca"). Diamond. [Pannel horse
			Silver Run Coal Co., S. ver Run - Drift, t. occitors - pesc. A. Hyse., s. p.
Millersbur Ry, 16		Holmes	Biblerback Bros. John! Mcl'rox Tunne' boctors, hand
			Caty & Unison Joea Stope, 10 000 fors
**			John Chevalie J., Cap. Storoe, Dr. H. horse
			John Craff & Co., Cap. 85,000. Open p.t. hono
			John Hern, Tunned Leevitens hand

	Cury & Cin-	SOH lower	Zinla.	10.0800.10
**	John Cheva	dand, cap.	S(0),000,	10.11
	John Craft	X Co. Cap.	$S_{0,1}^{\infty}(1,\mathbb{R})_{+}$	Openia
	John Horn	Lancard C		Transit

J. B. Skelly. Open p.t. t. Cotons, hand

Vineral Point Tuscarawas - Brick Bros - Cap. 81,500 - Tunnel and stope, 24,000 form - John Brick, supt. Rv. 175,778

Edward Holden. Cap. Sector. Shaft, Court as thorse. Thomas associate, eagl. Ohno Con' Mining Co., Akron, Ohno, T. A. Scherling, prest. T. C. M. Jos seev. and treas. T. W. Merco. mgr. Cap. Stk., 8 4000. Wineral Rolger, Clover Dock, Yeno. Traine develoron. Group. It will develor deve Ridgway Barton Co., Massa'lon, Olno. J. P. Barton, prest, and treas., D. Johns, seev. Cap. 8th. 8 agon. Huff Run. Sope., 6(20) tons. horse. J. J. Klein, supt.

Wingraf Ridge - Frumbull - William Powers (beat - Langari - 8 (period) fors (botse

By 566,

Minersyille M By, Pomeroy 181. Meigs Th Roush Joeal , Eureka Open pd. norse, John J. W. Piams, "ocal - Tunnel, 2,000 fens, Jama

Minerva Stark J. W. Shaw. Cap. 8500. Rustic Mountain. Tunnel, is cloud. hamo, horse. John Mr. 8, 86pt Rv. 173, 175, 376

# COAL BITUMINOUS-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2001 FOUNDS, KIND OF POWER USED,
Town Ond County	COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.
Monday Hocking Ry, 181.	Somers, Coal Co., Columbus, Ohio, H. E. Town St. A. Brenholts, prest.; James O. Somers, seey, and treas. Cap. stk., \$94,000. Monday. Drift, 85,000 tous; horse, F. Williams, supt.
Mt. Pleasant Jefferson Ry, 809,	Wheeling, Lake Erie & Pittsburg Coal Co., Toledo, Ohio, W. R. Woodford, prest.: Downer Adams, seey, and treas. Cap. stk. \$1,000,000. Long Run. Tunnel, 155,000 tons; horse. George Atherton, supt.
Murray Hocking Ry, 181.	Columbus, & Hocking Coal & Iron Co., Columbus, Ohio, Board of Trade Bldg., J. O. Moss, prest.; S. A., McMannaal, sery.; W. J. Redmatton, treas., R. H. Johnson, vprest, and gen. mgr. Nos. 30 and 41. Drift, 60,000 fores; setain, horse, Vint. Fugusson, supp.
"	Greendale Furnace Co., Columbus, Ohio, Y. M. C. A., Bldg., J. A., Long, prest.; H. F. Holloway, seey, and treas., C. H. Boardman, mgr. Cap. 8tk, \$25,000, Murray City. Slope, 200,000 tons; steam, John Hopkins, supt.
Navatue Ry, 175, 171, 809,	Levi Harr. Tunnel, 240 tons, hand,
	Ridgway Barton Co., Massillon, Ohio, J. P. Barton, prest, and treas., D. Johns, seey. Cap. stk, \$30,000, south Massillon. Shart, 30,500 tons, steam. Wm. Hardgrove, supt.
Netts Siding : Belmont (P. O. Shields : Ry. 42.	George Neff (local), Cap. \$1,000. Open pit, 40 tons; hand,
Negley "Columbiana Ry. Holley 586.	Sutherns Mining Co. A. H. Davis, prest,; James Sutherns, treas,, mgr, and supt. Cap. stk. \$10,000, Pleasant Valley. Drift, 75,000 tons; horse,
Nelsonville Athens Ry, 181.	Buckeye Coal Co., Geo, E. Haff, prest., Geo, O. Shoemaker, seey.: John Gmitty, treas.: H. A. Crippen, mgr., Cap. 8tk, 855,000. Buckeye., Tunnel, 75,000 tons, horse., John Gmitty, supt.
**	Columbus & Horking Coal & Iron Co., Columbus, Olno, Board of Trade Bidg. J. O. Moss, prest.; S. A. McManngal, seey., W. J. Redungton, treas: R. H. Johnson, vprest, and gen, nigr. Nos. 45, 47, 27, 29, D101, Sugue toris; steam, electricity.
	Hocking Valley Coal Co <sub>a</sub> Columbus, Oho, 44 E. Broad st. E. A. Cole, gen. mgr. Cap. stk. \$200,000. Minkes Run, Hawkes. Tunnel, 200,000 tons, steam, compressed air.
	Johnson Hill Coal Co. Wm, Myers, prest., Frank W. Poston, seey., John W. Bennett, treas., Wm. Dalrymple, mgr, and supt. Cap. stk. 89,000. Johnson Hill. Slope, 39,000 tons; horse,
4)	J. M. Lama. Cap. 86,000. Tunnel, 15,000 tons; hand.
*	Last Run Coal Co. James Dew, prest. Charles F. Myers, seey., C. H. Doan, treas.; Joseph Slater, vprest, and gen, mgr. Cap. stk. \$3000. Last Run. Drift; electricity (developing). Win, G. Halbert, supt.
	Nelsonvalle Sewer Pipe Co. (local). James Dew. prest.; C. H. Doan, sery, and treas. Cap. 8tk. \$25,000, Steam.
	C. L. Poston & Co. Cap. stk. stc.).000. C. L. Poston, mgr. Green Brier. Druft, 150,000 tons, steam. Cal. Mellinger, supt.
	Springfield Coal & Ice Co., Springheld, Ohio, 93 S. Limestone st. E. S. Kelly, prest., F. W. Ludlow, seey.; H. Voges, mgr. (tap. stk. 859,000, Springfield, Tunnel, 25,000 tons, horse, Thomas Jones, supt.
New Albany Mahoning (P. O. Salem) Ry, Uo- imibus 42, 169, 170, 181, 182, 523, 585, 765,	George Godward & Sons (local). Tunnel, $3.680$ tons, horse,
	Clayton Hall (local), Cap. \$2,000. New Berlin, Slope, 740 tons, horse,
	Richard Warburton (local). Graham. Open pit, 700 tons. hand.
New Comerstown Tuscarawas Rv. 174, 584,	Thomas Laughead. Tunnel, 250 fors, horse,
New Franklin Stark Ry, Moultine 563,	$\label{eq:winestable} Win. Sommerville (local) = Cap. 88,000,  S^{t}ope, 1,800 tons,$
New Lexington Perry Ry, 164, 765.	D. F. Davis, Cap. 81,000. Draft, 4,000 tons, hand,
New Lisbon Columbiana Ry, 502, 586,	Wales, Hammon's Collat. Nugent. Tannel, 1.68) tons, hand. W. J. Ruddock, supt. Edward Broughton (local). Cap. 81,000. Tunnel, 1.700 tons; hand.
	P. March & Son., Cap. 85,000. March. Tunnel, 4,100 tons. hard. H. A. March, sapt.
	Sterling Mining Co. N. F. Wood, prest., H. D. Hilenkin, seey. W. H. Warner, treas, and mgr. Cap., slk 810,000. Central Mine. Slope, 15,000 tons, steam. Jos. Fatmer, supt.
New Philadelphia Tuscarawas Rv. 171, 175	Gashen Coil Co., Cleveland, Olno, 25; Superior St. J. A. Beidler, prest, and treas., A. W. Brown, seev. Cap. 8th Shapeo. Gashen. Drift, 100,000 lons. Steam. C. J. Brokenshire, supt.
	<ul> <li>G. W. Mathias, Cap. 815,000. Slope, 2,000 tons, horse, hand. Fd. Mathias, supt.</li> <li>H. S. Gilbert &amp; Co., Cleveland, Olno, Western Reserve Bildz. Cap. 8tk. 850,000. Odbert. Drift, 225,000 tons steam, John Price, supt.</li> </ul>
New Pittsburg Hocking (P. O. Blatchford, Ry. 181.	New Pittsburg Coal Co., Columbus, Olno, 11 and 12 Clinton Eldg. Thomas Johnson, prest, and treas., G. D. Preston, serv., Edward Johnson, y-prest, gen, ingr., and supt. Cap. 8tk, 800,000. Powell's Run. Dirtt. Sopioo tons, Steam, compressed air.
New Straitsville - Perry Rv 181	

Oline Coal Co., Columbus, Oline, Board of Trade Bildg. Black Diamond. Drut, 50,500 tons, horse. David Wiams, supt

STOCK.

#### COAL-BITT MINOUS-(CONTINUED)

	RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL NAME AND KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2,000 POUNDS, KIND OF POWER USED COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUPERINTENDENT.
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North Industry "Stark Wade Coal Co., Cleveland, Olno, 41 Bratenahl Block, H. D. Dennis, prest., John C. Allen, seey, and treas, Cap. 8tk, 87,500, Wade, Tunnel, horse, James Perkins, supt. Ry. 778.

Stark James Muffinsk Sons, Wooster, Ohio, (cap. 850,000). Minglewood Nos, 1 and 2. Slope, shart, 75,000 tons, North Lawrence By, Lawrence 563, steam, T. H. Elser, supt.

Ridgway Burton Co. J. P. Burton, prest, and treas., D. Johns, secy. Cap. 8tk, 800,000. Palermo. Shaft, 41,000 tons, steam. John Hodgson, supl. Mahoning Adam Little and others (local), Spaidville, Shaft, \$50 fors, horse, North Lima

Ry, 156. Daniel Lattle & Son clocal , Cap. \$5,000. Shaft, 800 tons, steam.

Solomon Paulin clocal). Open pit, 1,000 tons, horse, Oakdate.

Athens Somers Coal Co., Columbus, Ohio, B E. Fown St., A. Brenhofts, prest., James O. Somers, seey, and treas, Cap. 8tk, 80,000. Sunday Creek. Shaft, 50,000 lons, steam. F. Williams, supt. Ry, 182. Oak Hill Jackson Efra Pire Brick & Coal Co. John D. Davies, prest, Flas Morgan, seey., J. J. Jones, treas, and mgr. Cap. stk, 921,000. Efra. Slope, 2,800 tons. hand.

Lawrence McGugur & Co. (book). Olive Furnace. Finnel, 1,000 tons. W. H. McGugur, Suof. Olive Furnace Ry, 156

Hocking Raybould coal Co., Columbus, Ohio, 17 Petluton Bidg., Samuel Raybould, prest, and mgr., Frank A., Prendergest, seev., D. C. Postle, treas., Cap. 8tk, 86000., Slope, steam, electricity, developing., Win. Ottoston EV. 181 Raybould, supt.

Osnaburg Stark John Carrothers clocal Miller's, Drift, 1,700 fons Rv. 173.

Portage Hutson Coal Co., Cleveland, Olno, Room fo Willshire Bidg. H. D. Hutson, prest, and mgr., H. D. Marble, seev, and treas (Cap. 8th 82500) Nos. Cand. J. Sharts, 60,000 forces steam. Thos J. Williams, supt. Palmyra. Ry. 376.

Palmyra Coal Co., Voningstevn, Olno, 114 N. Warket St., Henry Wick, prest. Wilford, P., Ames, Sovy., 1993, and nigr. Availd B., Shaft, 50,000 tors, steam. H. B., Lyans, supt. Carroll Charles W. Lewis, Allen. Slope horse developing

Petersburg P.O. Algoroum Rv 523.

Stark Wm Shitz docal. Open bit, for fore hand 1. O. and Ry. South Industry 778

Point Pleasant, Guernsey Cisco Mining Co., Cleveland, Ohio Western Reserve Bldg. W. R. Huntington, posts, N. H. Liote, seey, (P. O., name Dissons and from § 41.8. Odbert, mgr., Cap. 8th 875000 Cisco. (Shaft, noorbors, steam). John Price, supt P. O. name Dysons Ry, 174, 536

Meigs Coul Ridge Salt Co. M. R. Wells, prest. John M. Davis, solve, J. W. Promas, mgr. Cap. 8th, 825,000, Coul Ridge. Tunnel, 11,66 tons, horse. Daniel W. Damels, supt. Pomerov Ry, 181.

B Korfiler local - Cap \$2,000 - Exp Seq. - Lume L \$300 Cuts - Form - Dark Dack L \$4pt

rock Conf. Co., N. Bengal, prest. Tred Ebersbuch, seey and Ocas, Matta Dersbach, mgr., Cap. stk 85,000., Pedrock, Stope, 100,000 tons. horse. Win Ebersbuch, s.ad. Powhatan Point, Religiont, John F. Schnegg & Bros. Joenf. Cap. \$2000. Schnegg. Shaff, asutons. Steam

Quaker City. Guernsov, Alex Cochran, Cap. 820,000. Tunnel, 75,000 Cus. horse

100, 42 Radehill Amton John Blore Blore, Tunnel, soctors, hand H + Booth, supt. Ry 181.

Redhebl Perry Columbus & Fastern Coul Co., Columbus, Ol. o. J. F. Harts, press Cochran, freas., C. V. Dean, ingl. and Sapt. Cap. 8th 84 (1993). Dr. test S. J. Plaker, 201, Seey. James Draft, 17,000 fens. horse. Rv. 182.

James Coyle & Son - Cap, \$5,000, A histing Grove - Drift (2,000 tons) horse, G. W. Coyle, supp. Chatty Coal Co. Columbus, Chao. Cop. sty 820000. Wall are: Dr.H. Supercons. Indisc. Wim Wallace,

DRAYS Manne, Co., B. J. Davis, prest and sapt. D. J. W., ams, seev., and treas. John M. Laylor, mer. Cap. 8th, 84,000. Davis. Open pd., 2500 (1008). horse.

Standard Coa) Co., Columbus, Olno, & Wes, ex Rock, 10t N. H. zh. st., D. Mathews, prest, Charles Ratzel, sees, and treas. Cap. stk. storono. Unio. No. 1. Open pit 40000 fors. John Koppis, supl.

Wallace Coul Co., Columbus, Oh o., John B. Ham fton, prest, Joseph Caffy, sex, and froas., Win Wallace, mgr, and supt. Cap 8th 820,000. Wallace. Shaft, beoverous horse

Perry W. P. Rend & Co., Chicago, 1997, Fig. May son. 81. Sunday Creek, No. 3. Shatt, Slopes, Steam, James Wellanghlan, supp. Rendville Ry, 182, 765. Revertion

Jackson Riverton Coal Co. F. A. Hockelf, prest and inc.). J. I. Camperling 9., soc., and treas. Cap 8th 85,000, 5,156, 856. Riverton. Finnel, Steam. J. J. Donahue, supt. Ry Wellston 43, 156, 535,

Columbiana Quaker Valley Maning Co., Voungstown, Olno, 17 Public Square - Ralph J. Wick, prest - M. C. M. Nabb, Serv. N. F., Wood, treas. J. M. Walter, m. P. Quaker - Draft, 5,000 fous thorse dames Thomps in Rogers Ry, 58c, st supt

Muskingum Diamond Coal Co., Conesydle, Ohio Cap, 85,000 [Framond Tunnel, drift, 5,000 fors, burse. Day of Rominie (P.O. carlwick) By.5 Dayle, sind.

O. F. McKinney, Zanesville, Olno, 4: N. Fourth st., Oak Grove. Drift, 50,000 fors. Forse and hand. 41, N. Honk, supt.

Coshocton, James B, Gillen, Joral J., Treadway - Dr. R. ssetons, hand, By, Coshocton 173, 584

Standard Coal Co., Columbus, Olno, 26 Wesley Block, 10d N/H 2h 8t / D/Mathews weest (charles If itsel, seev and theirs, Cap. 8th 800000 Standard No. 2 (Oben 1)t, 80000 Co., 8 (Figs., 1/2) H/H and 8, 8401 Roseville Perty Ry 163

		COAL-BITUMINOUS (CONTINUED)
RAILWAYS,	ON OF MINE, WATER ROUTES HPPING POINT. AND COUNTY.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2400 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUPERINTENDENT.
St. Clausy		Black Diamond Coal Co. C. Troll Sons, proprietors. Cap. \$50,000. Black Diamond, 100,000 tons; horse; hand.
		Olno X West Virginia Coal Co., C. Troll Sons, proprietors. Cap. \$50,000. Ohio and West Virginia, 100,000 tons, horse, hand.
Salem Ry, 585	Columbiana	Homer Dunn (local). Dunn. Slope, 6,000 tons, horse.
		Howells & Ashmar (local). Cap. \$3,000. Greenamyer. Shaft, 3,000 tons; steam. J. K. Ashmar, supt.
		Sheldon Parker (local). Parker, 300 tons, horse.
	**	Salem Co. Cap. 8tk, \$50,000. Slope. Wm. Dunn, supt.
**	**	Stephen Stone (local). Drift, 900 tons, hand.
Salmeville Ry, 175	Columbiana i.	8, 8, Carnahan. Cap. \$8,000. Empire. Open ptt. 37,000 tons; steam, horse.
		T. P. Francis (local). Slope, 2,000 tons: horse,
**	**	H. H. Kirk (local). Drift, 3,000 tons. horse. A. D. Fetheringham, supt.
Sandrun. Ry. 181	Hocking.	Columbus A, Hacking Coal & Tron Co., Columbus, Ohlo, Board of Trade Ridg, J. O. Moss, prest,: S. A. McManigal, seey., W. J. Redungton, treas., R. H. Johnson, vprest, and gen, figr. Nos., 21 and 37. Drift, 120,000 tons, Steam; electricity.
Saralisville Ry. 55.	e Noble	J. H. Voning. Cap. 880). Raccoon. Tunnel, 2,000 tons, horse. Levi Vandyne, supt.
Scalover		Zanesville Coal Co., Zanesville, Ohio, 42 N. Fourth 84. O. F. McKinney, prest, and maj., F. E. Huggins, seey.; J. B. W. Amsden, treas. Cap. 8tk, 800,000. No. 7. Open pit, 56,600 tons. Thomas Opie, supt.
Shawnee Ry, 42,	"Perry 182.	Columbus & Hocking Coal & Iron Co., Columbus, Ohio, Board of Trade Bidg. J. O. Moss, prest., S. A. McManigaf, sey)., W. J. Reddington, freas., R. H. Johnson, v. prest, and gen, mgr. Nos, 31 and 35. Drift, 120,000 long; steam; electricity.
		Gosline & Barlow, Toledo, Olno, 422 Madison St., Furnace. Slope, 100,000 tons, steam. J. P. Meredith, supt.
		J. H. Hazelton. Rock Run. Tunnel, horse.
		New York & Perry Coal & Iron Co., New York City, 2 Wall st. New York. Tunnel, drift, 150,000 tons, steam. Samuel W. Butt, supt.
••	* 1.	Shawnee Valley Coal & Iron Co., Newark, Ohio. John C. Hamilton, prest., L. J. Johnson, seey., James H. Smith, freas., Thomas Phillipe, mgr., and supt. Drift, 140,000 tons: steam.
		H. D. Turney & Co., Columbus, Olifo. H. D. Turney, prest., T. W. Guthrae, seey., G. 8. Beeson, treas.; Thomas Cocoran, mgr. and supt. Cap. 8tk, \$250,000, XX — Drift, 303,000 tons, hand.
	**	Upson Coal Co., Upson. Tunnel, 125,000 for s. hand, horse, steam, electricity. R. E. Williams, supt.
Sherodsvi Ry, 17-	lle tarroll 3, 800,	nel, 125,000 tons, steam, horse, R. H. Wainwright, supt
		Somers & Wannwright, Cleveland, Ohio, 8 Euclid av. Cap. 825,000. No. 4. Slope, 5,200 tons, steam. Frank McIntosh, supt.
Smith P. O	Mahon ng Beloit (Rv. 156)	Ralph Urmson (local). Slope, 3,000 tons, horse
Stenbenyi Ry, 17	lle, Jefferson 5, 584, 809	Jefferson Coal & Iron Co., Win, P. Hays, prest., Geo. W. Metook, seey, and mgr., Win, Stanton, treas, Cap. stk, 850,000 - Bustard. Shatt, 45,156 tons. steam. John Keally, supt.
		Stenbenville Coal Mining Co., R. Sherrard (r., prest., George W. McCook, seey, and treas, Win. Smurth- waite, mgr, and supt. Cap. stk. \$50,000 - Shaft, 60,000 tons, steam, 6 coke ovens, capacity 1,000 tons.
		H. I. Wilson (local). Cap. 85,000. Wilson Open pit, 5,000 tons, horse
Stewartsv Ry, Fr	ille Belmont ranklin 12,	Robert Clark (local), Slope, 60 tons, hand,
	**	Owen Mechan. Cap. 830,000. Franklin. Tunnel, 65,000 tons, horse. W. T. Smith, supt.
Syraeuse Ry 5a	Mergs 3	Syracuse Coal & Salt Co. Ralph Cheney, prest., P. W. Robbins, seey, and trens., L. H. Bridgeman, mgr, Cap. 8tk, 8100,001. Syracuse. Shaft, 52,509 tons, steam, horse. Adam Duckworth, supt.
Tallmodge Ry, 50		W. I. Thomas & Son. Cap. stk. St2000. Fairview. Shatt, 5,000 tons. steam. W. L. Thomas, supt
Thorman Ry O.	tarina ak Hiri 45,70	D. D. Morgan (local). Open pit, 500 tons, hand,
Trumble Ry. 34	Athens	Crescent Coal Co., Columbus, Ohio, Board of Trade Edg. I. R. Doty, prest., A. O. Manck, seey and Trans. Cap. stk. \$100,000. Crescent. Shaft, 20,000 tons, electricity, steam. S. F. Knox, supt.
	as. Tuscarawas	A. Herning, Cap. 84,000. Diamond. Tunnel, 625 tons, horse, J. M. Herning, supt.
		Nicholas Hert, Cap. 812,000. Mineral Ridge. Open pd. 20,000 lons. horse. A. Stuber, supt. C. P. Mannich. Cap. 810,000. Mr. Carbon. Tunnel. 10,000 lons. hand. Benner Mininch. supt.
Uhrrelisyi Rv. 17	ille – Luscarawas T. 584.	<ul> <li>Diamond Frie Clay Co., James Ball, prest., J. W. Cooper, seey., treas, and mgr. Cap. stk. \$25,000. Diamond. Funnel, 7,000 tons., horse. George Ross, supt.</li> </ul>

D Dunlayey (local), Drift, 1,000 tons, hand.

 $\gamma=10\,\mathrm{hm}$ W. Fetter (local.) | Cap. 81,000. | Fetter. Open pit, 650 tons. hand. Ebenezer H. Gowin closal). Frint Hill. Open pit, hand.

# COAL-BITUMINOUS-CONTINUED

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CARITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2:00 POUNDS, KIND OF POWER USED, COAL BURGARISK, WASHIERS, CORE OVERS, AND NAME OF MINE SUPERISTANDERS.
TOWN AND COUNTY.	
Uhrichsville Tusearawas (Continued.)	Jacob Huston clocal). Cap. 85,000. Huston. Open pit, 559 tons, horse.
15	John M. Smith (local). Scott. Drut, 1,40 tons, horse.
**	Uhrichsville Fire Clay Co., W. B. Thompson, prest., T. J. Evans, sery., George Beck, treas. Cap stk., 830,000. Slope, 8,000 tons.
Utley Ry, 766,	Federal Valley Coul Co., New York, N. V., 41 bey st. Clarence Stephens, prest., Samuel Snow, seey., Melvin Stephens, treas - Cap (sik, 81,000,000). Federal Creek No. 2. Hunnel, 30,000 tons, horse; breaker, washer, 125 code overs, capacity Novio tons. N. W. Wangaraye, spit.
Vienna 1 rumbull Ry, 506,	Home Block Coal Co., Youngstown, Ohio. Lute Hormebeel, prest., James Davis, seey, and treas., John-Brunswick, mgr. and supt. Cap. 8tk, 81,00). Stope, steam odeveloping
Wadsworth . Medina Ry, 503.	Akron Coal Co., Akron, Ohio, 1128 Howard st. H. F. Loomas, prest, and mgr., James P. Loomas, seey- and treas. Cap. stk. 850,000.—Stony Ridge. Sope. 60,000 forus: steam. A. Gerstenchlager, supt.
	Card & Barrett Coal Co., Cleveland, Olno, 44 Puebl av Cap, 870,000, No. 1, Eldorado, Slope, shatt, 67,174 tons, Steam, O. V. Dibble, supt
	W. B. Coleman, Rasor Stope, 7,000 tons, steam, A. Jordan, supt
	Excelsior Mining Co., John J. Wagon, prest, and treas , C. F. Wagon, seey, and Jugr. Cap. 8tk, 850,000, Excelsior, Stope, 400,000 tons, steam. Win, Lydard, supt.
Wakeup Athens By, Broadwe'l 766.	J. R. Wickham Slope, 300 tons, Troise
Washingtonville Columb and Ry, 50s.	Cherry Vaffey Fron Works. J. H. Kang. prest. S. J. Weeker, seev. C. M. Schmek, treas. Cap. 8tk. 8250,000. Cherry Vaffey. Slope, 120,000 (form). steam
143. W/A.	Fact View Mining Co., Youngstown, Oho, (11/8) Market St. W. H. Warnet, prest, Wilford P. Ames, seey, Beas, and nurt. Cap. 8th Science, Tail View Scipe, with tens, steam, John Referman, supt.
	Waffer & Ferris Could on Abungsto via Oliko, 17 Petele Sanate (J. M. Leri S. prest, and freas), J. R. Stroefer, seev. J. M. Waffer, mgr. Di H. 2010 (1968), Steam horse (James Thompson St., mgr.
Waynesburg Stark	George Maiser clocal), Cap 8000. Bann. Stope, L000 tons. Strain
Ry, 475. WePston Jackson Ry, 42, 156, 535.	Comet Coul Co., Davton, Oheo, for Wayne, av. W.W. Wh throne, prest, J. D. Whitmore, serv., freas, and ingr. Cap. 8tk, 800000, and v. cap. 848,000. Comet. Shatt, 30000 box. Steam. Peter Gattagher.
	supt.  Fiza Conf. o., Davion, Oho, 25.8.1 nochest. 8, J. Pattetson prest. G. O. Richardson, seev. D. Armstrong, from, John James, mgr., cap. sit. 85000. To ac., Shaff, Soportions, steam,
	Hahart Coal & M. n. ng Co. (1) B. Royd, prest (A. I. H.) coan (1) see you do had Alboberts, trens (Theo Pluhart, mgr.) Cap, sik \$20,000 (Shatt, Preprocessors) steam
	Southern Ohio Coal & Frencio , Daston, Ohio, 20, 4. Third st., A. A. Thomas, prest., W. L. Caten, seey , treas, and mgr., Tap. 8th, 8 20,000. No. — Slope, 100,000 tons - steam — View 8t II, 8 0pt
	Superior Coal Co. Mr. S. Sturberger, prest. H. S. Willioff seed and fight. Cap 8th, \$10,000. Shall strain, horse
	Wannwright Coale of R. H. Wannwright, prest (1904) Here (now and supt of aposts 85500). Warnweight Shaft, Pogeodores (seam)
Wellsville todumbana Ry, 175, 533	C.B. Wenver (local)   Cap. \$5,000   Tunnel (10,00) (lons, 1 and A.L. We (vet sup)
	D. P. Davis, Jonathy, Shope, 2000 tores, horse
W Latayette Coshocton Rv 584.	Benj C. W. Planis, Joeaf - Boots Ram - Lance - Court ets. Iran !
Aorkville Jefferson Ry, 175,	Oha X Pennsy'van a Confere, C'eveland, Oh $\nu$ , J. R. Zerbe, prest. A. Mete, $\nu$ . See V. Open pet. horse, W. R. Lwing, supt.
Voringstown Malioning Ry, 385, 505, 566, 592,	Witch Haz 2. Shaft, 4000 Class strain. Device kneeds, so pt.
Zadeski Vinten Ry. 4a.	Zafesk (n. W. F. Met 'ntek, prest Arios Sin 'h, sey and teas Rece't Thompson ingre (epsik stan, 00. Zafesk). Ordi, kager fans, hor e. T. f. Walk to, sapt
	James H. Alexander (bord) — Open pit, Getons (hand
	Bralewe ( & Barton, 26) E. Pike, st. (8) sp., 4000 fors, har, $U(G)$ (22) Jones, supt
	J. V. Defenbeck, Cap \$19,000, Oak View - Funnel, 4,00 for s, horse - Thomas Local supt
	Theo, Dietz clocal . Slope, & tons
	John German Joseft : Tunnel, 2000 fors shand - George Cortnan, sopt Geo. B. Harper Joseft : Open p.t. 1,800 fors :
	Thomas Potts, 67 Adams st. local — Tunnel, 3,500 tons, hand
	Win A Wetner, 66 Eighth st. foliate topession of bannel, 44 000 for other of the state state
Zodi Tuscarawas Ry, 174, 175, 869	Win R sheries (Cap 88200), I agree R $^{\prime\prime}$ (Traine) at goodons, here
	Zoni Society (local). Tunnel, 75 tons (hand

#### COAL CANNEL

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED. COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.

eon Run — Stark O. Voung Coal Co., Cleyeland, Ohio, 725 Society Savings Elda, Cap. stk. \$50,000. Camp Creek. Shaft, Ry. Massillon 171, 563. — 50,000 tons, steam. Joseph Collier, supt. Pigeon Run

Warsaw IO. 169.

Coshocton Pinkney Cannel Coal Co., Cleveland, Ohio, 505 Western Reserve Bldg. J. R. Zerbe, prest, and treas., E. Earney, seey. Cap. 8tk, 850,000. Warsaw. Drift, 40,000 tons; horse. W. G. Jones, suid.

#### FIRE CLAY

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES. SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT

AND

Canal Dover Tuscarawas - Dover Fire Brick Co., Cleveland, Ohio, cor, Bank and Superior sts., C. S. Barrett, prest, and treas.; G. R. Ry, 174, 174, 475 - Ganson, seey.; P. Arnold, mgr. Cap. stk, S100,000, Barretts, Tunnel, 30,000 (ons., hand, Stark Canton Brick Co. H. S. Belden, prest.; J. L. Higley, seey, and treas., Peter Miller, mgr. Shale clay,

Ry, 173, 585, 778. Coleman

Columbana Union Fire Clay and Stone Co. C. Coleman, prest,; C. S. Coleman, seey, and treas., Wm. Douglas, mgr. Cap. 8tk. 850,000. Coleman, Tunnel, 17,000 tons. steam. J. T. Griffiths, supt.

Ry, 503 Cnyahoga Falls

Summit Camp & Thompson, Cap. \$100,000. Open pit, 18,000 tons; water, steam,

Ry, 169, 592

E. Pafestine Columbiana State Line Sewer Pipe Co., James Mullins, prest., Robert F. Taggart, seey, and treas., Hugh Laughlin, Ry. 563.
Ry. 563.
State Line Sewer Pipe Co., James Mullins, prest., Robert F. Taggart, seey, and treas., Hugh Laughlin, Ry. 563.

Empire Ry. 175.

Jefferson Congo Fire Clay Co. B. U. Wilkinso \$30,000. Congo, Slope, 800,000 tons, B. U. Wilkinson, prest, and mgr., Thos. Wilkinson, seey, and treas. Cap. stk. Minor Fire Clay Co. Tunnel, 8,000 tons, horse,

Freeman

... Jefferson, Freeman, Fire Clay Co., C. A. Freeman, prest., J. M. Freeman, seey., Cap. stk. \$80,000, Tunnel, 15,000 Mahoning Greenford Fire Clay Co. Cap. stk. 85,000. Slope, 2,000 tons, steam,

Ry, 175. Greenford Haydenville.

Hocking Haydenville Muding & Manufacturing Co., Charles H. Hayden, prest., J. W. Jones, seey., treas, and ingr. Cap. stk. 840,700. Mango. Open pit, tunnel, 65,000 tons, steam.

Ry. 181. Frondale Ry, 563,

Jefferson, Wm. Lacey, Cleveland, Ohio, 77 and 79 River st., Cap. 8tk, \$100,000. Lacey, sandstone and fire clay, Shart, 18,000 fons, steam. Scioto, R. H. & G. C. Cook, Cap. \$5,000. Enterprise. Slope, 6,500 tons; steam. R. H. Cook, supt.

Ry, Gephart 43.

Hocking Joe Bartholow, No. 6, Open pit, 10,000 tons,

Ry. 181. Masnoha Not a P O (18) 175.

Carroll Beatty Fire Clay Co., Canton, Ohio, W. M. Beatty, prest., mgr. and supt., J. J. Whitaere, seey, and by 175, treas. Cap. 8tk, 800,000. Beatty. Tunnel, 8,000 (ons., horse,

Malvern Rt. 175

Logan

Carroll Malveth Clay Co. John H. Wilson, prest., George H. Aller, seey., treas, and mgr. Cap. 8tk, \$6,500, Malveth. Slope, 20,000 tons, horse. Peter Reich, supt. Phoenix Fire Clay Co., C. A. Weaver, prest., R. Roberts, seey, and treas., Samuel Hodkinson, mgr., Cap. stk., 855,000. Phoenix. Slope, 990,000 tons, steam. John Connor, supt.

Massillon

Stark Massillon Stone & Fire Brick Co., Pittsburg, Pa., 283 Penn av. R. P. Duft, prest., Win, G. Hepp, secy, and lagr., E. A. Kitzmillen, treas, 3 ap., 3tk, \$60,000, Tunnel, 25,000 tons, steam.

Ry, 171, 585, 800. Ry.Winona Furnace 1st

L. M. Butt. Tunnel, hand.

Ry. 175, 778.

MineralPoint Tuscarawas, C. E. Brothers (local). Open oil

Mogadore Rv. 173.

Summit Myers & Hall. Fire clay. 5,000 tons

Mt.Vern'nFurn.Lawrence Campbell Iron Co., Ironton, Ohio, J. H. Moulton, prest. H. H. Campbell, seey, and treas., J. W. Campbell Rv. 156 — bell, mgr. Cap. 8tk, 8100,000. Mt. Vernon Furnace. Open pit, 6,000 tons. hand

 $\widetilde{Ry}$ , 175, 809

Stark Akron Fire Brick Co., Akron, Ohio, 105 Bank st. C. A. Albson, prest., B. M. Albson, seey., treas, and mgr. Cap. 8tk, 850,000. Navarre Stope, 5,000 tons, hand.

Nelsonville Athens

Nelsonville Sewer Pipe Co., James Dew. prest, and mgr., C. H. Doan, seey, and treas, Cap. stk, \$25,000. Tunnel, 45,000 tons, steam. New Lisbon , Columbiania - Keystone Fire Clay Co. - Fred H. Prifehard, prest and ngr., Willis Jordan, seey, and freas. - Cap. stk. - 825,000. - Keystone. - Tunnel, 15,000 tons; horse. - John Gillis, supt.

Portsmouth Ry, 42, 165, 523, 539

Sciolo Sciolo Star Fire Brick Works. E. B. Greene, prest., R. A. Mitchell, seey, and mgr. Cap. 8tk. \$48,000, 439 Tunnel, 15,000 tons.

Sandy Tuscarawas P. O. and Ry. Mineral Point 175, 778.

Edward Holden, Point Savage, Tunnel, 5,000 tons, horse, Win, Holden, supt

Springfield

Akton Clay Co., Archie Markle, seey, and treas., Geo. W. Matkle, mgr., Cap. 8tk, 86,000. Hatshberger, Open pit, steam. John Grant, supt. Summer (P.O. Akron day, 42, 169, 503, 582, 502, 778

Acticism. John Francy's Sons Co., Cap. 8150,000. Forest City., Slope, 25,000 tons, steam 10 175

#### FIRE CLAY-(CONTINUED)

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE OR BANK, ANNUAL OCTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT

COUNTY

Jefferson, Great Western Fire Clay Co., Cap. 8150000. Shaft, 24,000 tons, steam, Continued,

Jefferson Fire Clay Co., Cap. 855,000, Jefferson, Shatt, 10,000 tons, steam. D. H. Kerr, supt.

Uhrichsville, Tuscarawas, Diamond Pire Clay Co., James Ball, prest., J. M. Cooper, seev., trens, and mgr., Cap., 8th, 825,000. Tun-Ry, 171, 584.

nel, 20,000 tons, horse Uhrachsville Fare Cav Co. W. B. Thompson, prest., 4, J. Evans, seey, and mgr., George Beck, treas Cap, 8tk, 800000. Slope. steam.

N. U. Walker Clay Manufacturing Co., N. U. Walker, prest, treas, and mgr., M. J. Ryan seey—Cap. 8tk, 8350,000. Walker. Open pt. Proportous, 84c nn. Walkers Columbiana Ry, 563,

#### IRON

LOCATION OF MINL, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMIANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNEAD OF THE TENTONS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ET., AND NAME OF MINE SUPERINTENDENT

AND COUNTY

Blackband, Tuscarawas Rolgway Burton Co., Mass Con. Oh.o. J. P. Burton, prest and treas: D. Johns, seey. Cap. stk. 840,000, Ry, 174. Ankeny, black band ore: Tunne', Forections, horse: Christian Manrer, supt.

Bloom Switch Rv. 43.

Scioto Care Iron Co., Portsmouth, Oh o. J. D., Jare, prest, and treas, J. H. Care, seey, and mgr., Cap. stk., stoogoo, Black are: Open pd. 10 rostons, Janual, charcont furnace, capacity, one tons. J. N. Poster. SHIP at W. Camp-

Campbell, . Lawrence Rv. Mr. Vernon Fur Lawtence nace 156.

tamphell from Co., Ironton, Ohio, J. H. Modfon, prest. H. H. Camphell, seev. and treas. J. W. Cambell, mgt. and supt. Cap. stk. spopro. Mr. Vernon Furnace, aron ore. Open p.3, 16,000 tons. hand Canad Dover Auscatawas | Penn Tron & Coal Co. J. P. Barton, prest. H. S. Beam, seev. S. W. Croxfon, freas and mgr., Cap. 8tk, Ry, 471, 474, 475. 475. (Sport) Cons., Land., Luthace. George Brick, Sport, Open pd., P., 1997. [Association of the Conference of the Conf

Fairfield Tuscarawas (P. O New Philadel phia (Rv. Reed's Run

supi G.A. Kollar, Cap. 85,000, Black band one, Trainel, 500 Cus. hand

Mr Vern'n Puen Lawtener

Hanging Rock, Lawrence, Means, Kyb. A. Co., E. B. Willard, pitest. James Bull, seev. and treas. Cap. 800,000. Pine Gro. By 520, carbonate group ope. Open pet Junnel, 2500 tops, hand, chargond furnace. A. R. Mackintosh, supt. Campbell Iron Co., Bonton Oloo, J. H. Wou'ton, post. II. H. Campbell, seev and freas., J. W. Campbell, ngr., Cap, sik, stergee. Moun' Vernon, letting of torone, functions, hand.

PO campbell Rv.15-New Philadelphia Uiscarawas

theorge V. Koffar, Care Sago, Black lend one. Traine a protons, hand,

Ry, 171, 175. Rv. 167.

Olive Puringer Lawrence Metragen & Co., O' ve Farance, 'unoucte. Turne Topici tons chargoal Intrace,

Post Boy By 174

Fuscarawas Black Band Iton Co., Matrieff p. O'ro., A. J. Watney, prest., Geo. H. Jones, seey., Cap. 8tk, 8000.00, Post Boy, black loand one - Dott, hoper tons, horse, A. J. Oustine, supt.

Morris & Howel's Canal Dover, Ohio Cap 8th, 80,000 Camp Morris, Elack band one Tunnel, 25,000 tors, horse William Morris, supp.

Radelitt Ry. 181. Vinton D. H. Pearce - Iron ore - Funne', open p.t. Secretors, hand - L. Arbaugh, supt

#### $\simeq VLT$

LOCATION OF MINE OR WELL. RAILWAYS, WATER ROUTES AND SHIPPING FOINT.

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES CAPITAL STOCK NAME OF MINE, KIND OF PRODUCE, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TORS OF 2 POUNDS, KIND OF POWER USED, LTC., AND NAME OF MINE SUPERINTENDENT

Cousin Tous

Meigs Buckeye Salt Co., George Methaga, prest. A. D. Brown, seeviltreas, and mgr., Cap. 8tk., 855,000. Contser. line, dairy. 75,000 bils., steam. Pomercy liv. ist.

M. B. Weels, prest, John M. Davis, seey, and treas, J. W. Thomas, mgr. Cap. stk. dge = 50,000 byls , steam Coal Ridge Salt Co. M. I 875,000 Coal Ridge

Excelsion Saft Works B. Koehler, propr. Cap. 83,000 Excelsion Diagry, common, line 4 cells, 11,000

John J. Juliter. Cap 80,000. Whate Rock + ommon, time. Aftesian wells, 50,000 bits. steam,

Mergs Symense Coul & Suffice - Ralph Cheney, prest , P. W. Robbars, seey and freas: J. H. Bridgemeit ungrups star Start see Start see Again, horse Adam Adam Start see Start see Start see Adam Adam Start see Syraense EV. 535

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE
OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPFING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF VINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TOSS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND Capacity, Etc., and Name of Mine Superintendent.

Town Corses AND

Summit J. Hugill, 114 South College st. Cap. stk. \$20,000. Sandstone. Open pit, 4,800 tons; horse, Akton Ry, 592, 169, 42, 506,

Amherst , Lorain Ohio Stone Co., Cleveland, Ohio, 204 Superior St. J. M. Hughes, prest.; L. P. Haldeman, v.-prest, and seey, C. C. Caskey, treas; D. D. Haldeman, ngr. Cap. 8tk, \$200,000. Sandstone. Open pit, 14,600 tons; steam; mill.

Amits Ry, Trotwood 170, 584.

Montgomery A. J. Shaffer (local). Limestone. Hand; mill.

Barr's Mills Tuscarawas Kitzmiller Stone Co., Canton, Ohio, 48 W. Eightli st. John W. Gabriel, prest., seey, and treas.; H. A. Kitzmiller, mgr. Cap. stk. \$22,500. Kitzmiller, sandstone. Open pit. 18,000 tons; steam; mill. John

ca , Cuyahoga Cleveland Stone Co., Cleveland, Olno, Wilshire Bidg, J. M. Worthington, prest.; Geo. H. Worthington, seex, and treas. Cap. 8tk. 82,250,000. Beren, sandstone. Open pit. 42,000 tons; steam; mill. James Nielbid, gen, supt.

Berlin Heights Eric G. A. Baillie, Sandstone, Slone, 16,000 tons, steam,

Ry, Ceylon 383, Bluestone

Elufton

Allen Siddall & Townsend. Limestone. Open pit, 45,000 tons; steam. limekiln, capacity 2,400 tons.

Ry, 378, 582.

Wood, Murphy & Mercer, Cap. stk, \$3,000. Limestone, 20,000 tons; steam; mill, George E. Mercer, supt.

Bowling Green Rv. 156, 760, Briggs

Washington D. B. Calder, Cap. \$2,000. Constitution, sandstone, 200 tons, steam

TO. 43.

F. W. Knowles (local). Grindstones, 200 tons, hand; mill.

Brookfield

Trumbull Hamilton & Dailey Stone Co., Cap. stk. 88,000. Whittaker, sandstone. Open pit, 2,000 tons, steam; mill,

Ity, 383 Brownhelm Ry. 383.

Lorani Cleveland Stone Co., Cleveland, Ohio, Wilshire Bldg. J. M. Worthington, prest., George H. Worthington, seev. and treas, Cap. stk. \$2,250,000, Brownhelm, sandstone. Open pit, 42,000 tons; steam; mill. James Nicholl, gen. supt

Buena Vista

scioto Buena Vista Freestone Co. ena Vista Freestone Co. Adolph Cadm, prest., W. L. Cadm, secy. Cap. stk. \$50,000. Buena Vista, freestone. Open pit, 20,000 tons; steam; mill. Adolph Cadm, supt.

Ry. 533.

John Miller & Sons, Cap. stk. \$25,000. Buena Vista, treestone. Open pit, 5,000 tons; steam,

Campbell Lawrence Ry, Mt. Vernon Fur-nace, 156,

Lawrence Campbell Iron Co., Ironton, Olno. J. H. Moulton, prest.; H. H. Campbell, seey, and treas., J. W. Camp-rnon, Fur- bell, ingr., and supt. Cap. stk. storage. Mt. Vernon Furnace, limestone. Open pit, 20,000 tons; hand,

Carthage Ry, 156, 170.

Hamilton, F. E. Wiehe (local), Cap. \$2,000. Limestone. Open pat, 578 tons, hand,

Centreville Ry. Dodds 158.

Montgomery James Maurel, Sandstone, 1,400 tons,

Clarksfield

Huron Furlong Stong Co. Cap. 8tk. 810,000. Furlong quarry, sandstone. Open pit, steam and horse, mill. Daniel Malloy, supt.

Ry. 809. Cold Springs

Clarke, Moores & Co., Limestone, Slope, steam, W. H. Kennedy, supt

Ry. 170.

Columbia Station Lorain Cleveland Stone Co., Cleveland, Olno, Wilshire Bldg. J. M. Worthington, prest., George H. Worthington By 150. Seey, and treas. Cap. 8tk. 82,250,000 Columbia, sandstone. Open p.t. 42,000 tons, steam, mill. James seey, and treas. C Nicholl, gen, supt.

constitution Washington Constitution Stone Co. M. J. O'Connor, prest, and treas., Thomas C'eary, seey, and supt. Sandstone Rv. 43. 2000 tons, steam, mill.

Manut J. W. Ruhl, Cap. 820,000. Rocky Branch, limestone. Open p.t. 48,000 tons, steam; mill, limekilus capacity 2,625 tons. J. R. Rench, supt.

Edinburg Rv. 175.

Portage W. B. Davis, Red sandstone, Open bit, hand,

Fifort

Scioto, W. E. Marsh & Co., Lamestone, Open pit, 30,000 tons, hand, W. E. Marsh, supt.

IN 13 Ellsworth

Mahoning M. J. Barnes, Cap. 88,000. Sandstone, limestone. Open pit, hand,

10, 565

Lotani, George F. Bryant, 4: W. Thud st., Cap. \$10,000. Sandstone. Open pit, 80) tons., steam; mill.

Ry, 171, 80

H. I. Mussey & Co. Mussey, sandstone. Open bit, steam,

Correst Drob

Lawrence Edward Adkins, Limestone, Open pit, 50,000 tons, hand,

By. Trouton 156, 329, 525, 533,

Seneca, D. P. Lloyd Co., Cap. 8,30,000. Lunestone. Open pit, 15,000 tons, steam, hinekiln, capacity 9,000 lons.

Fremont Sandusky, Gottron Eros, Lamestone, Open pit, 6,400 tons, steam, hand, limckilm capacity 60,000 brls.

Morrow, J. B. Rinchart - Cap, 82,000, Fulton, sandstone. Open pit, 14,000 tons, steam, B. J. Lyons, supt.

Ry, 182

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TONS OF 2,000 FOUND. KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILISS AND CAPACITY, ETC., AND NAME OF MINE SUIERINTLEDENT.

COUNTY. Town AND Fultonham Muskingum Hoover Bros. Fultonham, limestone. Open pit, logoo tons, steam, limekdii.

Lorain Elyria Stone Co., Elyria, Oliio, H. F. Corning, prest., W. L. Fay, seey, treas, and mgr. Cap. 8th 8165,000. Elyria, sandstone. Open put, 320,000 tons, steam; null. Charles F. Peebles, supt. Graffon Ry, 170, 171,

Graffon Stone Co. T. S. Plant, prest. W.S. Maller, seey. Col. S. Blass, (rens., W. E. Miller, v.-prest., and mgr. Sandstone, succeetions., Cap. stk. \$1,20,000, steam, mill.

Huron, Cort & Graham, Steuben, sandstone. Open pit, 500 tons, hand, Greenfield P. O. Steubens Ry 42, 535.

Hanging Rock Tawrence Means, Kyle & Co. E. B. Wallard, prest, and ingr., James Bull, seev. and treas. Cap. 8th, \$500,000, Junior Ry, 523.

Independence: Cuyahoga, A. Bender (lessee). Smiths, sandstone: Open p.t. 50 tons, horse,

Little & Pettabone, Cleveland, Ohio, 5 Fueble av. In Jependence, treesfone. Mill

Ohm Stone, Co., Cleveland, Ohm, 201 Seperior St., J. M. Hughes, prest, L. P. Haldeman, v. prest, and Sery, C. C., Caskey, treas., G. D. Haldeman, mgr. Cap 8tk 8200000. Sandstone. Open pit, 14.000 lons, steam in C.

Buck Brown Stone Co., Chas. F., Duct, seev., Z. I., Coer, trens., and mgr., Killbuck, sandstone. Open pit, electricity, horse, hand, mill., Erios Schorlott, supt. Killbuck Holmes - Killbuck Brown Stone Co. Ry. 169.

La Grange Lorant Cleveland Stone Co., Ceveland, Ohio, W. duto 1992. J. M., Worth acton, prest., George H. Worthington, socy and treas, Cap. 3tk, \$2,790,000. Le Grange, sandstone, Open pif, 42000 fons, steam, mill. Jas, Nicholl, gen. supt. Ry, 170.

Pairfield F. C. Noeb, App. 850,000, Alleghany, sandstone Physicions, Steam, horse Win, Stracham, Supt. Lancaster Ry 164, 181

Wood, Line City Co., C. H. Sawyer, prest J. J. P. Reonson, seey, and It as: A. S. Breed, ngt., Cap. 8tk, 850,000, Lane City, Univstone - Open p.t. 65,000 by a steam of bin skalas of Theffe (main, 840). Lime City Ry. 760.

Michigan Stone & Supply Co., Defroit, M.ch., io W. Lort St. Cos. P. South, prest, and mgr., Cameron Cutter, sery and Pears. Cap. 3th Storeto, Heinestead Quarty, Linestone, Open pd. 2000, 1008. doi: 10.1146/j.chm. Orlando Lachon, viral.

Rich'and Richfand Stone Co. Mansfeld, Ofeo, Savings Rank Ebd. H. C. Prot, perst. (E.14). Zurhorst, serv., Geo. E. St. John, frees. Chas. W. French, mgs. Cap. 37, 850,000. Testas. (Sandstone). slope and steam. Et 585

Lykens Ry 582 Crawford A. J. Brown - Lemeston's opening to steam

Me Vithur Vinton J. H. Pilcher, Social - Pilcher, most on - Open of Jacob Ry 181,

Belmont Lloss ph. McClain & Son, Bella de Olyon, and Gregory and Lloss ph. McClain poest, and mgr., Wm. G. Me Clain, seed and treat cape sike stored. Also environment of the Olyon pet, gains form Mexilanoville Claim, seev, and treat Henry Hally, supt.

Pranklan L.J. Pred Xaro Colombias Oh (17 N S) of each Marco Call and fone Appendix Operations, steam, himsky'n, eigeneity, sociotion (13 L. Prod), app. Marble Chit 10.581

Officeva Kunz & Johnson Sandricky, Oleo, Wafer St., Cap. 875000. The Tone - Open per formore fairs: hand, lanck hi, capite by Propositis - John Burns, Supt. Mathdeliend By. 384

Sloss Marblehea II, me to a Schoss, prost and treat of Vandervelories, Soc. Marblehead, limestone. Open pd.

Stark A ogt Stone Co., Win, II. A ogt, prest. Win, McM. and e. v. in Ffree. (1) I. A ogt, mgr. and supt. Cap., stk. 88,600. Sund done. Open pd. Egyceton. ste inc. in 9. Mass !!on Ry, 471, 585, 809,

MCVern'nLarn Lawrence (Lampbe 9 Proc.) a. Aronton, Olso (J. H. Monton, 2003). H. H. C. ropes (Cev. and Treas. J. W. Campes, P.O. Campbe 9 Ph. Campbe

Lickary George Havens, Newark, mossions open pd. proctons, hand Newark RV 42, 584

Warthurst & Co., Sandstone, solid-

New Lisbon, Columbiana, John II, O.Maca, Cap Sonot, Exercity, or concerning Open pet, 500 ct. a., failed RA 500, 580.

Adams: Highland Stone Co., Norwood, Ohio, T. J. McTutan, prest, and seeve John W. I don't seeve, mar, and Vison. — supt., can stk. Sacc. Timeston. Open pd. 1950 Cos. min., Newport P. O O name Wa'son Ev. 165.

L.X.F. Dieting Cheeringto (P. 8.78 Wee Sect. Cap. 8th 810, 00) Shaker, "anostone open per 5000 tors, hand," T. Dieting per supt.

Loram Cheveland Stone Co., Coverand, Ohio, W. J., & Bell, J. M. Worthangton poest. George H. Worthungton, seek, and treas. Cap. 3th S<sub>100</sub>20000. North Andierst, smilstone. Open pd., Fewt Ions. Steam. mile. January, January. North Amberst

Offisted Pat's Cuyaho-a Ceveland Stone Co., Ceveland, Office W. 2 to 13d, [4] M. Worthington, prest, George H. Warthington, seevand Bras. Cap. 4th 8422 core. Constraid Pat's, sand-stone. Open pd. 42500 bors. steam. in the James Northell, seep stept.

Otway Ev 165 Scioto W. R. Smith & Sons, Precinan, sandstone Open p.t. obsectors, steam, horse, hand [1] C. Smith, O. F. Smith and James Barket, supts

Marion D. Owens & Son., Owens, Emestone, sandstone, 2,850 ton., steam, 'mack'n, capacity 2,400 tens Ry. 181. Daniel Owens, and

Summit Cleveland Stone to a Cleveland, Olive Wilshow 1942. J. M. Worth figure wood of coorge H. Worth instensively and thear cap sets \$2,200.00. Penasula, sand-tone. Open, p. C. Elare being steam in Plane Syndrom, encount. Peninsula . Rv. 778.

#### STONE, MARBLE, GRANITE AND ONYX-(Continued)

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OF QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMEEILNS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Town SND

Peninsula Summit Ohio Stone Co., Cleveland, Ohio, 204 Superior st. J. M. Hughes, prest.; L. P. Haldeman, v.-prest, and secy., t. C. Caskey, treas., D. D. Haldeman, uigr. Cap. stk, \$200,000, Sandstone, Open pit, 14,500 tors; steam, mill. (Continued.)

Plymouth Richfand Plymouth Stone Co. mouth Stone Co. D. L. Critten, prest., Jacob Wallace, seey, and freas., C. H. Winttier, mgr. and supt. Cap. 8tk, \$6,000. Sandstone. Open pit, steam, horse. Ry, 42, 582.

Point Pleasant, Clermont, Galbreath & Bushman, Cap. \$3,000. Limestone. Open pit, 6,000 fors; horse, hand,

Ridgeville Loram 11 O. Bementi Ry. Shawville 383.

Rockbridge.

Daffas Beebe, Cap. \$3,000. Beebe, sandstone. Open pit, 75,000 tons, horse, hand,

Point Pleasant Stone Quarry, Limestone, Open pit, 750 tons; hand, George F, Knabb, supt.

Hocking , Detroit & Hocking Valley Red & Brown Stone Co., Detroit, Mich., 55 Champlain St., Joseph S, Visger, prest., Riebard J, Shielan, seey., G. Chirri, treas., Charles C. Camy, mgr., Cap. Stk. \$00,000. Hocking Valley, sandstone. Open pit, 15,000 tons, steam., H. A. Flowers, spit. Ry 181, Morrow Buckeye Stone Co. J. J. McClarren, prest.; A. W. Monroe, seey, and treas., J. H. McClarren, mar and supt. Cap. 8tk. \$20,000. Buckeye, sandstone. Open pit. 15,000 tons; steam. St. Jame Ry. 170.

Silverton ...Hamilton J. K. Galloway, Limestone, Open pit, By. 158

Springfield Clarke, Wm. K. Duke, 97 W. Mulberry st., Mill Creek, limestone. Open pit, hand; mill. Ry, 170, 503, 535, 584,

Mills Bros., 107 S. Limestone st., Cap. stk. \$40,000. Limestone. Open p.t. 25,000 tons, steam and hand, null, kiln, s,500 tons. Henry Hoss, supt.

Stony Radge Ry, 765. Wood, Luckey Stone Co., Elmore, Ohio. J. B. Luckey, proprietor. Luckey, limestone. Open pit, 40,000 tons. steam, mill

Sugar Grove Fairfield, R. L. Share Stone Co., Sandstone, Ouen oit, hand, horse, Ry. 181.

Wm. Sharp. Buckeye. Open pit, 2,000 tons; hand, Sulphur Grove Montgmry, D. P. Oram, Limestone. Open pit, 1,000 tons; hand. Ry Dayton 156, 170, 207, 503, 584,

Delaware Sunbury Stone Co. William Bunyan, prest., Edward T. Bunyan, seey, and mgr. Cap. 8tk, \$25,000. Sunbury. Open pit, 4,800 tons; steam, mill. John Hunter, supt. Sunbury Ry. 169.

Geauga Chrys Sidley, Cap. \$2,000. Sandstone. 20,000 tons, horse and hand, unll. Thompson Ry. Madison 383, 502

Tittin. Scheca J. Poling, Cap. \$3,000. Limestone. Open, hand. Rv. 49, 170, 530.

\meent Washington Hayes Bros. Cap. \$15,000. Sandstone. Open pit, 1,000 fons. steam; mill.

Ry. 765. Huron Cleveland Stone Co., Cleveland, Ohio, Wilshire Bldg. J. M. Worthington, prest., George H. Worthington, seey, and treas. Cap. stk. \$2,250,000. Wakeman, sandstone. Open pd. 42,000 tons, steam, mill. Jas. Wakeman . seey, and treas. C Nicholl, gen. supt. Ry. 383.

Waverly Ry, 523, 535, Pike Waverly Stone Co. W. S. Jones, prest., J. W. Logan, seey, and treas., R. E. Sharpe, mgr, and supt. Cap. 8(k. 85,000. Sandstone. Open pit, 24,000 tons, steam, horse, hand, mill. R. E. Sharpe, supt.

Cuyahoga Cleveland Stone Co., Cleveland, Olno, Wilshire Bildg. J. M. Worthington, prest., George H. Worthington, serv., and treas. Cap. 8tk, \$2,250,000. West View, sandstone. Open pd, 42,000 tons, steam, mill. Jas. West View Rv. 170 Nicholf, gen supt.

Lucas, J. L. Pray & Son., Cap. stk, \$3,000. Sandstone. Open pit, 10,000 tons; hand, mill. J. E. Pray, supt. Whitehouse, Rv. 784

Mahoning Voungstown Stone Co. R. T. Walker, prest., F. P. Hood, seey., Wm. Cornelius, treas., George W. Can-553, 591 George W. Can-563, 591 George W. Can-563, 591 George W. Can-563, 591 George W. Can-563, 591 George W. Can-Vonnestown Ry. 382, 500, 560, 591

Zanesville , Muskingum E. M. Ayers, 168 Main st. Cap. \$10,000. Dellon Falls, sandstone. Open pit, 10,000 tons, steam. Harry 164, 450 Lineas, supt.

A. Emery, Cap. \$10,000. Putnam, sandstone. Slope, 7,000 tons, hand,

John W., King, 45 N. Fourth St., Kings, Ine clay, sandstone. Open pit, 3,000 tons. George Smith, supt.

Philip Mowrin clocal), 93 Elm st. Cap. 81,599. Mowrin, himestone. Open pit, 9,900 tons, hand. Limekiln, conditions empacity.

#### SEE ALSO SUPPLEMENTARY LIST

# OREGON

# COPPER

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INIMMOVAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KING OF DIG. KING OF MINE, ANNIAL OF TITTEN TOSS OF 2 OF DOWNS, KING OF DOWN CASE, LIEUKONS, LIEUKON, NAME ON MINE STEPRINE (SEE

TOWN AND COUNT

Gold Beach Ry, 552, Curry N. Huntley. Black Diamond. Open  $\rho$  t, to tons, retractory, hand

	GOLD AND SHAFE
LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company of Individual Location of Principal Office, Names of Office is, Calital Stock, Name of Mine, Kind of Ode, Kind of Mine, Annual Office is Loss of 200 Pounds, Kind of Power Used, Stamp Mille, I. 10., and Name of Mine Suffering Ment.
TOWN AND COUNTY	
Applegate Jackson Ry, Jacksonville 776 (17 miles).	John T. Layton, Cap 830,000   Fart's Cold, 2011   Placer (voltage)
Ashland Jackson Rv, 692.	Ashland Mining Co., Portland, Ore., b. Starla st., P. Kelly, prest. [H. J. Coffin, seev, and treas. Cap stl., 8200,000. Patton and A. N. Keng, gold and silver. Shatt and tunnel trees. Joseph. A. Wilson, supt.
Auburn Baker City 776	Jas. U. Wells Gold. Shatt, horse
Baker City . Baker Ry, 776.	Busley Flkhern Mining Co., Portland, Occ., 16 Lorst st., L. W. Nelson, prest Juge, and single S. J. Bar- bel, seey. Cup stk., stoogno., The one gold and salve. Scatts termes and levels, 20,000 four free and testiletory, steam. Bayan, and Bratingto midls.
	Baker City Gold & Sdyer Mining Co., Isador Luchs, prest. A. B. Lance, seev. A. H. Lerry treas. Cap- stk, 8200,000. Monumental and Teglit Squeak, gold and salve. Shaft and tennels, tree, developing
	Billion recold Mining to a Portland, Os. 18. Lust 81. J. W. Nelson, prest two A. Wolfe, seev. North-Western Louis & Frust to a Brass. Let's O'Reson maturing super cape 3th Suppose tool Moduland Cold Lagle, gold and 8 lyer. Sharts, for nels delts and schools "geoclops, they and retractory steam mat."
(12 fuiles)	Fikhorn Mining Co., Portland, Op., J. II. Robbers, prest (right me supt., W. I. Harmon, seev., I., G., Davidson, trens., Cap. stk., 850,000. Flad orm, gold and silver. Tunnel (rice and retractory) water mill
(37 miles)	Futeka & Pecelsiart onsolidated Manna (v., 8t Louis, Mo., 7o, Oriel Bidz., R.) (Venus, prest.). H. Smith, sept. (A. Donaldson, mag., c., ap. stk. 80,000,000.). Futeka and I verbsiot, gold and silver. Tun- nels, retractory, steam, 20 stamps.
35 miles	Gerser Estate. Albert Gerser, mgt. Bonama, gold. Transca, 7,500 Cons. Tree. steam. Justimps
**	Hodgins & Rohner. G. R. Hodgins, prest and negt abola Rother solve. P. R. Beslap, treas, and supt. Cap. 80,000. Cow Boy, gold and salver. January tree are weaping.
	Jones & Entpender: Cap. 800,000. Never Sweat, gold. Placet does lively be and water. Moses Carpenter, supt.
	Robinson Gold Mining Co., Goo. W. Robinson, prest, and solve [10] W. C. Nelson in a rand supt. Cap. 8th, 84,000,000. North Stat., gold. I have a proceeding relative by
eld miles).	Robinson M mag to $8$ Ottenhe and prest $(1/1)$ War $n_a$ seek. De Wet Nelson, Iteas and and sept tap sike \$1,090,000. Robinson, $20^{11}$ (10.10) behaviory developing.
	Snowstorm Consolidate (Todal Waring Co., Boltron, Indiana, Todinos A., Laorindor, press, Labranul E., Blourton, seeg and track of A. Wasalam ing, and sign of the stall sergion. Society Control, Phoriton, Wardson, I. W. Wiete, St. V. and and Thanka, 2016. Stope and Shatt, 2006 forms, which, Josephanes.
	Washington Gutch Muning co., Poet in = 00 , 53 1 Odd st. 8 M Keen in poest. A 1 Keenan seev and freas. Win Decimer, mgr and s. pt. cap sik st., 900. Washingtones bangood. Placet hydracts.
Bolt Aackson Rv. Woodville og	Alexander Orme - Brother, gold, Placet (wat r
Bridgeport Baker By Baker City 776 20m.	Burnt River Mining co. Archie J. Marrov, prest. Wighting Coy, serv. J. H. Warrav, treas. T. Cay. ingl. and supt. Cap. \$10,000. Cheek in Ear. 2001. Proceed hydroger.
	Henry Hersy. Blue Bar, gold - Tonn , placet
Cable Cove Baker • P. O. Baker Cave By McLwen, 776 John.	Tagle Maning Co. I I Colbath, prest. W. S. et smon, seek and from a form ( A + n <sub>s</sub> , n <sub>s</sub> ) = 0. ( \$1,000,000   Lagle Group, gold and Seven S. ofts and form Seven research and predictions.)
Ry, The Datles, 776.	Owens, Praeson & Laswell Spanish Golden Lond Place Chydre
Camyon City Grant Ry Baker City 776-75 m.	Hugh Cannon, Gold, Placer water, hydrac's
	Clark & Rulson. Last Chance, gold - Placer (hydrant)
	Witham Habit - Quartz Goldingolo - Phase Colodinate
	Humboldt Mining Association   H. W. Soan, mgt   Cap 8th 825000   H. mort   2   P. S.
	J. A. Whitman Cup, 84,000 Whitmans gold Placer hydronic vices
Canyonvalle Douglas Ry Raddles (9)	Ash & MeW thinns, (cap. 80500) - M. Wittanis and Ash, 2001 - Proceedings

An Ksonyr' e Ry 602

# GOLD AND SHLVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMIANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ASNIVAL OUTFUT IN TOSS OF 2:00 POYNDS, KIND OF POWER CFED, STRAM MILLS, ETC., AND NAME OF MINE SUPERINRESDENT.
TOWN AND COUNTY.	
$- {\rm Uanyonville} - {\rm Confined}, {\rm Uonglas} \\ + {\rm Confined}, {\rm c}$	D. J. Bollenbough. Packung, gold. Placer; hydraulae, water,
**	Last Chance Muring Co. Last Chance, gold, salver and copper. Tunnel, free; water. E. L. Goodridge, supt.
**	D. A. Levens, Douglas, gold. Shaft and funnel; free; water,
**	James Yokum, Cap. \$500. Gold. Placer, hydraulic (developing).
Connor Creek Baker Ry, Huntargton 776 (20 miles).	Connor Creek, Maning & Milling Co., Portland, Ore., Ablington Bldg. S. G. Reed, prest.; Martin Wynch, see, and treas.; J. Myrick, mgr. and supt. Cap. 8tk. 81,000,000. Connor Creek, gold. Tunnel, 16,000 tons, Irec, water, 35 stumps.
	Dunning & Thomas. Cap. stk. \$2,000. A!batross, gold. Open p.t. placer; water,
Cornucopia . Union Ry. Union 776 (40 m.).	Companion Mining Co., Gold and Silver. Shaft and tunnel, free and refractory; steam; 5 stamps. E. P., Torrey, supt.
Ry.Baker City 776660m.).	Last Chance Mining Co. Last Chance, gold. Tunnels: free and retractory (developing).
	New Discovery Mining Co. New Discovery, gold and diver. Tunnels: tree and refractory (developing), R. Kelly, supt.
	Norway Mining Co. Cap. stk. \$6,000. Norway, gold. Tunnel, 3,000 tons; free and refractory; water; Huntington mill. Geo. Lindgreen, supt.
	Nyanza Mining Co. Nyanza, silver. Shatt) free and retractory (developing). Robert Kelly, supt.
	Oregon Gold Mining Co., Louisy P., Ky., 543 W. Main st. Geo. H. Duetz, prest., H. W. Bohmer, seey.; V. L. Schmalt, treas. O. F. Steen, mgr. Cap. stk. 890,000. Red Jacket and Whuman, gold and silver, Tunnel, 10,000 (1988) free and retractory, steam and water, 20 (3mm)s. J. H. Wilson, spil.
	Queen of the West Mining Co., gold. Shafts and inclines; free; hand developing). Robert Kelly, supt.
	Stella Mining Co Stella, gold and silver. Tinnicl. tree and refractory (developing) W. S. Wilson, supt.
**	Union Mining Co. Anstead, Tice & Burdett, proprs. Union, gold and silver. Tunnel; free and refractory (developing).
Eugene , Oonglas P. O. and Ry. Myrtle Creek 692.	Myrtle Creek Hydraulle Gold Mining & Manufacturing Co., Engene, Orc. L. W. Brown, prest., mgr., and supt. J. F. Robenson, seey., T. G. Hendricks, treas. Cap. 8tk, 8 20,000. Myrtle Creek, gold, Placet, hydraulle.
Glendale . Douglas Ry, 692.	J. T. C. Nash, Nash, gold. Placer, hydraulic, water.
	Baisley & Klopp, Cap. stk. 833,000. Baisley & Klopp, gold. Placer, deep, hydraulic, water. Asaæ Klopp, supt.
	Fairview Ophir Mining Co., Pendleton, Orc., Calvin cor, W. R., 8, 1. Peter Parimentor, prest, R. R. Divon, very, David Horn, treas., Frank Duprat, mgr, and supt. Cap. stk. §150,000. Encouragement, gold, silver, copper and lead. Shatti hand and horse, mill, Jostamps.
	Grante & Greenhorn Milling and Muning to, A G. Fabor, prest; C.S. Miller, seey,, nigr, and supt. Cap. 8th, 84:250000. Monumental and Morris Consolidated, silver. Shaft's and funnels, retractory; steam, 20-stamps.
	Grant Salver Maning Co., Portland, Ore., cor. Front S. St. Geo. W. Weidler, prest, Thomas Gray, seey, and rreas, J. C. Powers, mgr, and supt. Cap. 8tk, \$100,000. Intrinsic and others, gold and salver, shafts and tunnel, refractory, Jeann.
	G. H. Gutridge & Co., G. H. Gutridge, prest., Harry Mack, seey., M. Thornburg, treas., E. E. Thornburg, mgr., Cap. 4k, 85,000. Camp Mason, gold. Placer, water. A. J. Dickison, supt.
Grants Pass — Josephine Rv. 692	T. J. & J. T. Clark, Cap. 8120,000. Quartz Boulder, gold. Placet, hydraulic, T. J. Clark, supt.
	Rogue River Maning & Developing Co. J. T. Flynn, prest. A. C. Taylor, seey, and supt., Robert G. small, treas. (ap. stk. Sl00,000), Conductor and Gray Mule, gold. Tunnel and shafts, 1,000 tons; tree and retractory, steam, 16 slamps.
Greenhorn Grant P.O. Austino Ry, Me Ewen 779 50 miles).	C. G. Nelson, Austin, Ore. Greenhorn, gold. Placer, water.
	Robert Drinkwater, Gold. Placer, water (developing).
Idol Harney Ry.Harney 776 (130 m.)	Bruner & Gilham, Main st., Cap. \$1,500. Big Boulder, gold and silver. Shaft, tree, hand,
	Heath & Roberts, Harney City, Ore. E. A. Heath, prest., John F. Roberts, seey, and treas., D. A. Cawlfield, mgr., and supt. Cap. 8tk, 839,000. General Heath, gold. Placer, hand.

Ream, Black & Kifeling, Portland, O(c., 45) Seventh st. C. R. Black, mgr. Clarvoint, gold and silver. Retractory. E. H. Ream, suot.

Jackson Jacksonville Mining & Milling Co. Jeremenh Numan, prest., Sitas J. Day, seey.; Thomas J. Kenney, 1638. D. Cronemiffer, mer. Cap. 8th. 820,000. Jacksonville, gold. Tunnel; free and retractory; hand developing. J. Herry Klapbe shipt.

A. A., J. E. & J. H. Loggan, Cap. 81.200. Gold. Placer (developing).

Samuel Roach, Cap. 84,000, Gold, Open pit, placet,

tors, tree, water, [J. J. Taylor, suct.

Lefand Josephine Alta Duch Co., Grants Pass, Ore L. C. Windom, prest., [J. W. Sheter, seey, and treas., John A. Niday,
hay, and supt. Cup. 3k, 8,599 (Gold. Placer.)

Town

## GOLD AND SHAVER (COMMULD)

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

COUNTY.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND Leland

Josephine, L. N. Browning - Browning, gold. Placet (Continued.)

Matheur Ry, Baker City.

Matheur Samuel & Hiram Colt., Cap. \$10,000. Tip Top, Humboldt and Autocraf, 20ld. Shatt, funnel and slope, ty. 500 tons, free, steam, 2 stamps.

Prairie City Grant Ry. Baker City 776 : 67 matters i.

W. E. Gifford. Present Need, gold and silver. Shatt and tunnel, for tons, free and refractory, steam,

Raddles Ry, 692 (3) - miles).

tion, E. Robinson & Co., Colorado, 256d. Tunnel, 3,549 tons. Tetractory, steam, 5-stamps. Geo. I. Robinson mson, supt Douglas Camyonville M.n.ng, Water & Manutacturing Co., Fugene, Occ. 1, C. Smith, prest., Hon. A. C. Wood-Pest. Cark, sery. Cap. 8tk, \$500.00; Canvonville, 201d. (Eacer, hydraul). developing

John Hudson, Cap 85,000, Gold, Open p.t. water, developing Baker Robinson Mining Co., Geo, W., Robinson, prest. D. W. C. Nelson, seey, and treas. J. C. Smith, mgr., and Baker. — supt., Cap, 8tk 81,00,000. North 8t g., gold. Tunnel, 400 tons. Tree and tetractory, steam and water.

Rock Creek Baker P. O. and Ry. Baker City 776. Rye Valley Baker Ry Weatherby 776 (45) indeed. Baller

Cartwright Bros. classers - Rye Valley, good - Placer

8, 8, Catching Cap. 8500. Gold Placer

H. B. Frans. Solver Blue and Extension, gold and solver of minel of tree, hand and arrastre John Frisco, Bonanza, gold, Placer, hydraulic,

Ry, Union 776 (30 m.).

Union C.T. Bradley Mining Co., Daggett, Ca<sup>2</sup>, C. M. Sanger, prest. A. L. Sanger, seev. C. T. Bradle 30 ma., C. Cape, Sik, 860,000, Smaller I, gold and sever. Shaft, begoed this linest steam to stamps. Townley, supp. f. Bradley, freas

Sardme Creek - Jackson (P. O. Rock Point (Ry. Jackson

Sturgill Bross, Baker City, On gone Honan angold Shatt perhabitive Forse N. & C. Ritter - Lucky H 25, 2023 - Denne - troo horse and hand cerastro - N. Ritter, supt

Jay Guy Low s. Salver Queen and Lyangston, go a. Shatts from its

Gold Hill 692. Spanish Gulch P. O Unleb Ry. The Dalles 776.

Multi-Carle h. Mining, Co. W. W. Cowner, prost, and inger R. V. Collons, solvy W. B. Cowner, treas (Capasik, 82000). Medic Gulle h. govar (Prager). Involves of (T. Sev. bes.) pt.

Sparta Ry. Baker City 776.

1 mon F. H. Boyer, Wa 'a Wa'a, Wash - Boyers, 2011. Pager Average Eastern Oregon Gold, Maning to Defroit, Mich., Gold, W. Rollsson, 19-81. Gold. H. Tathrop, seey, and frens. Cap 8th Storger., J. H. C. Volte, 2014. Shall and J. C. College, H. C. Land, J. C. Smith,

One Bell Mining & Wling Co., Che ago, P., P., Dearboth St., W. W. Watson, prest. Class. N. Halle, seey and treas. T. V. He the inflore mediant stage Co. p. 21. Significant clothed Be be of Kansas and softleters gold. Shaft and limited tree stages for the stage of the present stages. Snowstorm Consolidated Gold Mach., Co., Redford, Ind., J. B., Thornton, prest. F. B. Thornton, seex-and treas. J. I. Meacham, mgr. and supt., Cip. 8th, Sampton, Specistorm, 201d. Shaft and Slope. and treas J. I. Meael tree, water, to stamps Meacham, m.2

Sterline O and Ry, Jackson

Arckson Sterning Mining Co., Portland, On. A mend Cook prest. O. I. Cook seev and Iteas. Henry L. An-brikson. – keny, mgr and supt. Cap. stk. 80000. Ster. n., 2004. Parent and C.

upter Baker Ry, Baker City 776. Sumpter

Susany.He

Mary Agnes Consolidated Placer Mennig to Cap 8th 88000 Mary Value gold Placer, hydraudic A. Hownie, supt

Josephine Ry, Grant's Passon

toro Simmons & Z. Cameron, Acces minons, log and sept. St. m.c.s & Co., 2004

Wo't Creek. Josephini Winner Bros & Co., Dak'and, Cal., 100. Wistington st., Wale e.g. co., Deep laydra Ac

Ry 692 4 males Woodyin

William & Roth Roble (cap source R > 200) Open process states S. C. Robb suptomohydraulic num thepertor

- Jackson Mex. Wilson, Gold Placet 2 dec

Grant Sloan & Haskell, Gold, Placer 12 and steam

#### H2ON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Tows

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALITAL STOCK, NAME OF MINE, KIND OF OLD, KIND OF MINE, ANNUAL OUTPUT IN TORS OF a 30 For NISS. KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME, OF MINE STITEMENTENDENT

Oswego Ry, 692

AND COUNTY

Chekamas Oregon Iron & Steel Co., Portland, Ore., 96. Third st., Theo B. W. co., prest., J. Fenn. Walson Seet, and may, Ladd & Piton, Peas., Cap. 8th, 84,75701. Proceeds and Ironed, populotics steam, J. H. Fonnerwy, spit.

### KAOLIN

LOCATION OF MINE
OR BANK,
RAILWAYS, WATER ROUTES,
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, EUG., AND NAME OF SUPERINTENDENT.

Town And County.

Huntington Baker Mine in Matheur Co.) By, 776.

Baker American Kaolin Co., Portland, Ore., 110 Second St. J. F. Edwards, prest.; Robert R. Tuttle, secy.; nr Co.) F. C. Brodie, treas.; James Sudwecks, hngr. Cap. stk. \$1,000,000. Kaolin (developing).

## LEAD AND ZINC

LOCATION OF MINL.
RAILWAYS, WATER ROTTES
AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POWERS, KIND OF POWER USES, NUMBER OF SEE, SECTION OF SOME STREET, SECTION NAME OF MINE STREETSTENDENT.

Fows AND COUNTY

Pendleton , Umatilla Golden Hill Mining & Milling Co., 113 Court st. Jacob Frazer, prest., W. P. Lathrop, seey.; B. F. Renn, Ry, 756. Treas., James A. Howard, v.prest, and mgr. Cap. stk. \$750,000. Vulture, lead. Shatt and funnel.

## MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHILPING POINT

AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF FRODUCT, KIND OF MINE, ANNIAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER C'SEP, PAINY MILLS, ETC, AND NAME OF MINE SUPERINTERDIENT.

Town

Jackson, H. Richardson, Mineral paint, Open pit.

Ry, Gold Hill 792.

## NICKEL.

LOCATION OF MINE.
RAILWAYS, WATER ROUTES
AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2000 POWNES, KIND OF POWER USER, SMETERS, ETC., AND NAME OF MINE STPERISTENDENT.

Town AND COUNTY

Raddles Donglas Edson Adams & Harvey S, Brown, San Francisco, Cal., Fourth and Townsend sts. Oregon (developity), 997 (4 miles) (W. Q. Brown, supt.

International Nickel Mining Co., Chicago, IR., Chamber et Commerce, Bidg., cor. La. Salle, and Washington, sts., James, R. Ashley, prest., Win, H., Taylor, seey, treas, and mgr., Cap. stk. 85,000,000. Riddles, Shart, tunnel and open pit, 600 tons, steam. Will Q., Frown, supp.

### PRECIOUS STONES

LOCATION OF MINE. KAILWAYS, WATER ROUTES AND SHIFFING POINT.

NAME OF COMPANY OR INIVIDUAL, LOCATION OF PERICIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KINDOF PROPUCT, KIND OF MINE, KIND OF POWEL USED, FTC., AND NAME OF MINE STITEMENDERT

LOWN AND COUNTY

Morrow William A Tisher, Peters, opals,

Ry. Heppner 776.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MIS-OR QUARRY, RAILWAYS WALLS HOUSE AND SHIPLING POLICE

ZWOL

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STORE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN HORS OF 2,000 POUNDS, KIND OF POWER USED, STORE OR MARKET MILLS, LIMERLENS AND CAPACITY, ETC., AND NAME OF MINE STREEM FENDENT.

Lorest Grove Washington - Lorest Grove Stone Co., J. G. Boos, prest., L. H. Henzhausen, seey.; A. Vosper, treas.; J. Hausen, mgr. Rv 392. ——Gp. stk. 850,000. Torest Grove, blue sandstone. Open pit, steam "developing".

ame Station Baker Oregon Matble & Lame Co., Pertland, Ore, T. F., Rourke, prest, and mgr.; Charles F. Beebe, seey.; U. F. S. Wood, trens. Cap. 8tk, 850,000. Limestone. Open pit. 18,000 tons, hand, kilns, 10,000 tons, W. I. Penks, Supt.

8t. Helen columbia. Burke's Quarry, Portland, Ore., 72% Morrison St. Burke's, basalt rock. 2,000 fons.

LOCATION OF MINE,

RAILWAYS, WATER ROUTES

# PENNSYLVANIA

# COAL ANTHRACITE

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK

NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER I SED

AND SHIPPING POINT.	COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE NOTE BILLY ENDERT.
Town and County.	
Alaska Northumberland (P. O. Strong, Pa.) Ry. 578.	Philadelphia & Reading Coul & Iron Co., Philadelphia, Pa., 227/8. Fourth 81. A. A. McLeod, prest, and gen, ngr.,, Franklin P. Kaercher, seey., W. A. Church, treas. Alaska, 188,661 fors, steam, breaker and wisher, John Vetth supe.
Alden Station Lazerne Ry, US.	Alden Coaf Co. Richard Sharpe sr., prest., George H. Myers, seey., Richard Sharpe tr., treas. Cap., 81k, \$200,000. Alden. Tunnel and shart, 300,000 tons, steam, breaker. K. M. Smith, supr.
Archbald Lackawanna Ry, 213, 505.	Defaware & Hudson Canal Co., Scranton Pa., 250 Providence pl. R. M. Olyphant, prest, F. M. Olyphant, seep., C. A. Walker, tense, H. G. Vonng, mgr. Cap 8th 850,000,000. White Oak. Slope and timiels, 165,00 tons, stema and hotse, breaker. Andrew Newl, supt.
	Riverside Coal Co., Seranton, Pa. Jais, J., Wa? ams, prest., Thos, F. Jones, seev. and treas., John Reese, mgr. Cap. 8th, 8200,000. Riverside. 425,000 tons. Steam, breaker. Thos, J. Williams, supt.
Ashland Schuylki'll Rv. 396, 578.	Philadelphia & Reading Coal & Iron Co., Ph. ladelphia, Ph., 227 8, Fourth st. A. A. Melleod, prest, and mgr., F. P. Kaereher, seey., W. A. Chutch, treas. Tast. 148,500 tons, steam, breaker and washer.

Ashley Luzetne Lehigh & Wilkes Patric Coal Co., New York City, Central Tible J. R. Maywell, prest., W. L. Zell, seey, and treas., Thurr II, Lawall, Supt., Jersey, No. 8, Slopes, 151,776 tons, steam, breaker, M. R. Mergans, supt.

Andenrael Ry, 333, 578. Carbon C. M. Dodson A Co., Bellibehem, Ph. C. M. Dodson, prest A S. Schropp, seev and treas., E. L. Bullock, mgr. Cap. 8200,000. Beaver Brook. Stepe, 200000 tons, steam, breaker and vasher D. J. Homas, supl.

<sup>19</sup> Lehigh & Wilkers Barrie Cond Con, New York City, F. Laberty St., J. R. Maxwell, prest, W. L. Zelf, seeg, and treas. T. H. Lawath, nigr. Honey Break, "Sopes, Suggestions, Steam, breaker and washer, D. P. Buberts, supt.

Avoca Call Co., Ltd. C.C., Rowman, ptest., J. L., Rowman, seev, and treas. W. H. Hoffster, m.gr., Cap. Ry, 215, 252, 533.
 " Florence Cond. Co., Ltd., Seranton, F.a., and Language Cap. Stant., break."
 L. P. Karashary, Sera., Chas. P. Matthews, treas., Austra Moore, m.gr. and supt. Cap. 848, 848,000.
 Elmwood. Shatt, Do., 250.
 Shatt, Do., 250.

22 Langeliffe Coul Co., Scianton, Pa., Lackawanna av., R. G. Brooks, prest. T. R. Brooks, seey., J. A. Mears, treas. Langeliffe. Shaft and tunnel, steam. "deaks."

Beaver Meadows Carbon William I Carbet & Co., Philadelphia, Par. or; Walnut St., Cap. Siccord., Colera no., Stopes, 120,000 tons, Ryl, 303.

"Coxe Bros. & Co., Dritton, Par., Cross Creek Col. et al., Larget, 120,000 tons, steam, coal breakers, and washers. F. B. Coye, supt.

1 Yans Maring Co., H. J. Boardman, prest. Chas. Haight soey. John D. Evans freast, mgr, and supt. Tap 8tk,850,000. Tyans. Slope, 50,000 forms steam, breaker, washer.

Bernice Suffixian State Line & Suffixian R. R. Co., Lowanda, Ph. J. Raymond Clighord, prest. O. A. Baldyn, seev. and frens., J. O. Bladt, fagt and supt. Cap sik \$1,00,000. Bernice: Junnel, Fogot lons. steam, breaker and washer.

Blackwood Schnylled Lehigh Valley Coal Co., Philadelplea, Pa., 28.8. Therd st. Thisha P. Willett, prest., J. R. Fanshawe, Ry, 500, 300.

Serv., Win, C. Alderson, treas., W. A. Laffrep, fuzit, and supt. Cap. 8th, 8550,000. Blackwood, 8,000 tons, 8 family brackwood.

Branch Dale Reinylkill Philadelphia & Reading coal & Iron Co., Philadelphia & Fear Cl. & V. V. M. Leod, prest, and mgt., F. P. Kaerchel, soev., W. V. Cherch, freus - Otto, 11,500 fous (shearn) breaker. R. C. Luther, supt

Brownsydle Schnylkill Lehigh Valley Coal Co., Philadelphia, Pa., 228 8. Herd st., El sha P. Witbur, prest., J. R. Fanshawe, P.O. Tost Creek (Ry., Serv.), Win C. Meleson, Break W. Cattlirop, 1621 and 80pl., 3 ap. 8th, 855,000 C. Facket No. 3 Collective Management Science, 16 cat., 4 Collective Management Management Science, 16 cat., 4 Collective Management Mana

22 Northwest Coal Co., Scranton, Pa. C. D. Simpson, prest., A. F. Law seev. J. H. Watkens, treas. Cap. 8tk, 800,000, Northwest. Slope, 500,000 tons. steam. breaker. James I. Crawtord, supt.

Strond & Chamberlain, Belmont st and Oak av. [6, 4], Chamberlain, m2t and supt. [Cap. 8tk. 850,000 Outatio and Belmont. [Sope and tunnels, ospecitors, steam. [Freaker.]]

- Wm, P. Williams, 6928 Church st., Cap. St., co., Tunnel, 40,000 fors. hand. breaker

centralia Golumbia Lehigh Valley Coal Co., Pluladelphia, Pa., 28/8. Hird 8C. Tusha P. Walbar prest. J. R. Lusshaeseyy. White Children and Children and Children and State Children and State Children and State Children and Chi

Pluladelphia & Brading Gord & Iron Co., Pluladelphia, Pa., 27 S. Fourth St., A. A. Melleod, prest, and 2cn, high, T. P. Kaerchet, seey., W. A. Church, treas. North Ashland. Associous. Steam. Iocader and washer. John Veith, supt.

Conddale By HS, Schnylkill Lehigh Corl & Navigation Co., Philadelphia, Pa., 24 S. Third St., Joseph S. Harris, prest S. Shepherd, By HS, Schnylkill Lehigh Corp. Philadelphia, Pa., 24 S. Third St., Joseph S. Harris, prest S. Shepherd, By HS, Schnylkill Lehigh Corp. Philadelphia, Pa., 24 Schnylki

Derringer Lincerne Cove Bros & Co., Cross Creek. Shaft, 192,000 tons, Steam, breakers and washers. J. E. Coco. Supt. P. O. Draffon. Ry. 568.

Peckson Cty, Lackawanna Elk Hill Coal & Itou Co., Scianton, Pa., 215 N. Main av. Wm. H. Rehmend, no.st., trees and m., i. E. K. Richmond, Sery. Cap. 8tk, 850,000, Thehmond No. 7. Shaft, 5.00 Ctes. Steam bleaket. Patrick Rev. supt.

209.

## COAL-ANTHRACITE (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPA NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS	
AND SHIPPING POINT.	COAL BREAKERS, WASHERS, COKE OVENS, AND	

- Luzerne coxe Bros, & Co. Cross Creek. Shaft, 192,000 tons: steam. E. B. Caxe, supt. Drifton Ry, 118, 393.
- Lackawanna Murray & Co. M. J. Murray, prest, and supt., Thomas Brown, secy.: John Carney, treas., A. J. Murray, mgr. Cap. stk. \$25,000. Murray S. Shaft, 25,000 tons, steam; breaker. Dummore Ry, 252.
- Laizetne Babylon Coaf Co., Seranton, Pa. T. H. Watkins, prest.; W. G. Parke, seey., C. D. Simpson, treas. Cap. 8tk, \$200,000. Babylon. Shatt, 225,000 tons; steam; breaker. James L. Crawtord, supt. Durves Ry. 209, 252, 393, Old Forge Coal Co., Ltd., New York City, I Broadway. John A. Mears, prest, and mgr.; J. Alfon Davis, see, .. C. S. Crane, treas. Cap. stk. \$90,000. Columbia and Phoenix. Shafts and funnel, 300,000 tons:
- steam, breaker, de II-li — Schuylkill Ry, and P.O. Pott-ville schuylk!! Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 225 S, Fourth St. A. A. McLeod, prest, and Pottsville ingr., F. P. Kaercher, seey., W. A. Church, treas. Eagle Hill. 165,000 fons, steam; breaker. R. C. Eagle Hell
- liigr., r. c. s. Lather, supt. 393, 563, 570, 578. Lazerne Coxe Bros, & Co., Drifton, Pa. Cross Creek Colhernes. Slope, 192,000 fons; steam, breakers and washers. Eckley
- Tey., 118, 390. E. B. Coxe, supt. Luzerne The Kingston Coal Co., Kingston, Pa. Daniel Edwards, prest, and ingr.: Efficit R. Morgan, seey, and kingston treas. Cap. 8th, \$1,000,000. Kingston, Shafts, 500,000 tons; steam and compressed air; 2 breakers. Edwardsville Ry, and P. O. Kingston G. Willym Edwards, supt.
- Laizerne
  - Lehigh Valley Coal Co., Philadelphia, Pa., 228 S, Thard st. Elisha P, Wilbur, prest., J. R. Fanshawe, seey Wm. C. Alderson, treas., W. A. Lathrop, mgr. and supt. Cap. stk, 8550,000. Exeter. Shaft, 47,2 tons, steam, breaket. Ry. Pitt ston 209, 213, 393,
- Stevens Coal Co., Pittston, Pa. (West Side). Mito J. Wilson, prest.; C. W. Wesner, seey.; F. E. Stevens, treas., A. B. Stevens, mgr. Cap. stk. \$20,070. Stevens. Slope, steam, breaker (developing).
- Schnylkill braper Cofbery, Potteville, Pa. H. L. Williams, gen. mgr. and supt. Cap. \$500,000. Draper. Slopes and bamels, 220,000 tons; steam; coal breaker and washer. Gilberton Ry, 563, 578
  - Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 8, Fourth st. A. A. McLeod, prest, and ngr., F. P. Kaereher, seev., W. A. Church, treas. Gilberton. 255,600 tons, steam; breaker. John mgr., F.P. Veith, supt. Stoddarf Coal Co.
- ddarf Coal Co., Chas, E. Breckons, prest.; Gay C. Irish, seey, and freas.; Win, J. McCarthy, mgr, and supt. Cap, 8tk, \$25,000. Stoddarf. 75,000 fors, steam, breaker and washer. Schuylkill Plutadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227-8. Fourth st., A. A. McLeod, prest, and mgg.; F. P. Kaercher, seey., W. A. Church, treas. Preston Nos. 2 and 3. Girard and Hammond. 296; s00 Ions. steam, breakers. John Veith, supt. Girardville. Ry, 393, 578.
- Schnylkill Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 S. Fourth st. A. A. McLeod, prest, and higg.; F. P. Knercher, seey., W. A. Church, treas. Richardson, 43,501 tons, steam, breaker, R. C. Glen Carbon Ry, 578. Luther, supt.
- Luzetne Coxe Bros. & Co., Dritton, Pa. Cross Creek, 192,000 tons, steam, coal breakers and washers. E. B. Ry, 563. Cove. supt.
- Lazerne Pardec Sons & Co., Lattimer Mines, Pa. C. Pardec, ingr. Cap. 8500,000. Harwood. Stopes, 215,000 tons, steam, coal breaker and washer. A. W. Drake, supt. Harwood RV, 578
- Lazerne, G. B. Markle & Co., Jeddo, Pa. Highland Nos, 1 and 2 Slopes, 200,000 tons, steam, coal breaker. John Highland. (P. O. Jeddo) Ry 393. Markle, supt.
- Lazerne (Calvin Pardee & Co., Lattimer Mines, Pa. C Paidee, mgt. (ap. 8500,000. Hollywood. Slopes, 220,000 a Mines) Tons, steam, coal breaker and washer. A. W Drake, supt. Hollywood . Lazerne (P. O. Laftaner Mines) Ry. 578.
- Luzerne Linderman & Skeer, South Bethlehem, Pa. Cap. \$1,200,000. Humboldt Mine. Slope, \$4,900 tons. steam n (Ry. 393. and horse, breaker. Jas. E. Roderick, Supt. Humboldt P.O.Hazelton (Ry. 393.
- Schnylkull Philadelphia & Reading Coal & Iron Co., Philadelphia, Ph., 227 S. Fourth St., A. A. McLeod, prest, and ngr., F. F. Kaereher, seey., W. A. Church, treas. (food Spring, 34,00) fons, sheam, breaker, R. C. Lather, spf. Loudeff Toy, and P. O. Pottsville 578, 393, 563, 570.
- Luzerne, G. B. Markle & Co., Jeddo Nos, 3 and 4. Sharts, 299,200 tons, steam, coal breaker. John Markle, supt. Tay, 118, 393,
- Lackawamaa Delaware X Hudson Ganal Co., Seranton, Pa., 200 Providence pl. R. M. Olyphant, prest., F. W. Olyphant, seex., C. A. Walker, treas, H. G. Young, mgr. Cap. stk. 80,000,000, Jermyn No. 1 shaft, pissuitons, Stemian and horse, breaker. Andrew Neol. supt. Jermyn Toy 1213, 505
  - Edgetton Coal Co., Ltd., Scranton, Pa. C. D. Sumpson, prest., T. H. Watkins, seey., W. G. Patke, treas Cap. stk. \$20000. Edgetton. Tunnels, 250,000 tons, steam, coal breaker. Jas. L. Crawtord, supt. Westside Coul Co., S. D. Davis, prest, and mgr., J. Alton Davis, seey. Cap. 84,000. Smishine. Thinnel, honor-toris, steam, breaker. John F. Nicholson, supl.
- Alazetne Lehigh Valley Coal Co., Philadelphia, Pa., 28 8, Third St., Elisha P., Wilbur, prest., J. R. Fanshawe seey., Win, C. Alderson, treas., W. A. Lathrop, nogr. and supt. Cap. stk. 8550,000. Maliby. Shatt Kingston Tey., 209. strontons, steam; breaker.
- Annora Coal Co., Wilkes Barre, Pa. Charles Parrish, prest, and mgr., Wm. C. Allen, seey.; Theo. F. Ryman, treas. Cap. stk. \$500,000. Annora. Slopes and tunnels, 166,000 tons, steam, breaker. John Lathn Luzerne Ry, 213. Ryman, treas. Cap. S. Convugham, supt.
- Carbon Lehigh Coal X Navigation Co., Philadelphia, Pa., 234/8, Third st., Jos. 8, Harris, prest., 8, Shepherd, seev, and freas., W. D. Zehner, mgr, and supt. Cap. 8tk, \$44358,050. Colhernes, Nos. 4,5 and 6, 240,600 foots, steam and hotsey breaker. Lanstord 135, 118
- Lattimer Mines Lazerne Pardee Bros, & Co., C., Pardee, mgr. (Cap. \$000,000, Lattimer, Slopes, 215,000 tons, steam; breaker and Ry, Milnesyde 398. washer, A. W. Brake, supt.

	GOLD AND SILVER (CONTINUED)
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company or Individual, Location of Peincipal Oppice, Names of Oppicers, Capital Stock, Name of Mine, Kind of Obe, Kind of Mine, annual Output in Tons of 200 Pocnds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine Scremintendent.
TOWN AND COUNTY.	OF TOWER COED, STABLE MILLS, LICE, AND NAME OF MINE SCIENCISIENDENT,
Piedmont Grant (P. O. Carlisle) Ry, Duncan, Ariz., 19 (14 miles).	Stiple Rock Minaig Co., Silver City, N. Mey, Chas. Davenport, prest., P. P. Barnes, seey., J. E. Hussey treas., W. C. Davenport, nigr, and supt. Cap. 8tk, \$20,000. Jun Crow. gold and silver. Shafts and tunnels; retractory, steam, 5 stamps.
Pinos Altos Grant Ry, Silver City 26(8)0. (.)	Bell & Stephens, A. Bell, ingr. and Supt. Pacific, Extension. Olio and Kept Woman, gold. Shatt and tunnels, 2,500 tons, refractory, steam, 45 stamps.
	Christman & Robinson Bros. Cap. 81,500. Lattle Pacific, gold, salver and lead. Shaft, 300 fons. Tree and retractory.
	Consolidated Nebraska Mining Co., Beattiee, Neb. (D. A., Walden, prest., E. C., Salisbury, seey., A. Bradtt treas. (B. W. Davis, nigr., and supt., Cap. stk. 85,000,000, Gold., 8 (ver. and lead., Shaft, ), oo four retractory, steam, 5, stamps.
	Dimmick Bros., Cap. \$10,000. Silver Cell, Silver. Shatt and funnel, horse. C. A. Dimmick, supt
	Hersberger, Everts, Osborn & Spils. Eastern, Western, Eldorado and Oro Fino, gold, silvet and lead shatts and tunnels, 1,000 tobs, free and retractory, horse,
**	Houston & Thomas. El Dorado and Prospectus, gold. Shatt and open pd. 24 fons, retractory, hand.
	Manhattan Gold Manng & Milling Co., St. Lows, Mo. I. reliable Bild., Hon. Nathan Frank, prest., A. r. Eustein, A. prest, seev., ingra and supt. Johns Rothsch Ed. treas. Cap. 8th, 845000. Actec, Asiatr and Fothers, gold and selver. Sharts and funnels, (1700) fons, tree. Science, 20 stance.
	Win, Skilheon & L. A. Snyder, "L. A. Snyder, mgr, and supt. Pacific No. 2, gold and silver. Shart horse, 5 stamps
Pyramid Grant Ry, 602 (0 mdes )	Pyramid Silver Manng Co., Rechester, N. V., Waler Fidg. [F.J. Reynolds, prest. G.C. Ruell, v. prest. J. W. Moore, very, and treas. Cap. sike, slavered Voda and others, salver, Shatt, book tens retractory, steam, 20 stamps. J. W. Hamiston, supl.
Questa Laos Ry, Viitonito, Colo., 215.	Red River, Maning Co., Henry J. Voung, prest and ingr., Win W. Voung, seey., F. S. Redding, trea- Red River, gold and copper. Totaled Steam and band, developing
Read River 4 aos (P. O. Questa) Ry. Au- tonito 215.	G. W. Payne. Georgia, gold, salvet and copper. Shart shand
San Antonio Taos (P.O. Arroyo Seco. Ry Tres Piedras 215.	Reo Hendo Maning Co., Lonisy Sc., Ky., Cap. stk., \$1,00000. Keystone and others, gold. Place is developing a Totan W., Brown, said.
Sandar City Bernal (Bo P. O and Ry. V'bu querque 26.	Sandar Muniig X Sme'lling Co. John S. Tempson, ne st. Theodore Honegger, seey, and treas. A Schwarzenbach, mgr Cap stk. Szonso., Sanda, good, s lver, copper and lead. Alex Rodgers, sup-
Sim Marcad Socotto Ry, 26.	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	$Rosedale(M) \ naiz(t) o = Great(London) \ and \ Rothself. \\ dd, zo \ a = Slorits = stamps - developing(t).$
San Pedro Santa Fe Ry, Certallos 28 (fem.)	Galema Hall Mining Co. Alexander Rogers, prest, James Cheres, seev, and supt., L. Skinner, tr. at Alex Rogers, mgr. Gap, 8tk 8500000. Six in tres, gold [5,000 tons] horse.
	Lincoln Ducky Mining Co., R. V. Anderson, ingreated sept. The 2h and Lincky, 2020, 87ver and e-Shatt and Dunnel, 60,000 forus, Steam
	Silver Reff, Mining Co., Albuquetspie, P. O., Box L.J. J. J. Francznie, prest. Aley. Stevens, see v. J. J. Andrews, Ireas., A. Richards, mar. (cap. silk Szogro). Silvet Belt, Lucky No. 2 and Homestake, 200 and bend. Shatt. developing.
Surotto Surorto Ry, 26,	[4] I. Brown, Magdalena Queen and Modatan Key silver each and non-Shaft and tennel, 2004 each free band.
	$R, T.$ Leeson. Saint Vicente, silver and lead. Shaft and deats, 290 lons, tetraefory. horse, $(\mathbb{A},\mathbb{A},\mathbb{A})$ eson supt.
	Merritt Mining & Milling Co., R. B. Langdon, prest, W. J. Hahn, seev. A. H. Linton, treas. A. I. Coom, figgr., Cap. stk. st50,000. Merritt, gold and silver. Lamel. (ive. scann fustamps, dev. op.ag.)
	Geo, H. Thwaife, Box 98. Picolite, silver. Shaff, famel and drift, free and retractory, horse
Steins Pass Grant Rv, 692.	Book Mining Co., W. K. Mende, nigh, and supt. Cup. sta. 850, 00. Therk, 205d and silver. Open p.t. doc) 500 tons. Tetractory. Steam.
	P. B. Smith - Cap, \$20,000. A obtained solver - Shaft, foctors after choise after steam
	Chas W. Thomas & Cozle, Cap. 85,000. Parch La, Kill Silver. Shifts 2,000 tens, tree, hard
Taos . Taos	Chas, H. Betty & Co., Rie Grande, good - Placet (tree) water
By Finbudo 215.	$\label{localization} Kenny Bros, Johnson & Sly. \ Log table, gels and silver. \ Sharts an . Um (s, tree than a review of the silver of the s$
	Lady Godiya Maring Co., Lady Coshya, 265d. Shatt, abelons, tree steam $(B,H,N_{\rm CC},s)$ pt

North Homestake Mining Co., Perris, Cal., James M., Scattus, peest of Tyce C.R. Co., Sci. 1997, Cap. Sik., Storgon, North Homestake 2004. Shatt, deep, 1, cor fors. Tree st. ne. ne d. Trank E. Lloyd, sight.

Old Aby Mening Co., John A. Hewitt, prest (1) and J. Saget, soever, and freas, (Cap. she, St., 90, 900), (Cl. Aby, wold). Shaft, 14,600 tons, free (Steam, 2) stamps

White Oaks Manus, Co., St. Louis, Mo., Socol veist - Rolla Webs, jeest (L. B. Vort, Sc. v., et al.) as L. W. Burker, mar cap sike Socono. Homestake, 2051 - Staffs are distributed from a position of the distributed significant of the staffs.

White Oaks

By, Carthage 26,

LOCATION OF MINE

## TRON

RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, BLAST PURMACE, FUR, AND NAME OF MINE SUPERINTENDED.
Tows AND	COUNTY	
Hanover Ry. 26.	Grant	Southwestern Coal & Iron Co., Colorado Springs, Colo., Bank Bidg. C. L. Perkins, prest., T. G. Condon, vprest, and ingr.; R. P. Perkins, seey, and trens. Cap. stk. \$1,000,000. Open pd. 30,000 tons; hand.
Santa Rata Ry, 26,	Grant	Santa Rita Copper & Iron Co. J. P. Whitney, prest.; Win, J. Downing, seey, and treas.; Franklin Mahon, mgr, and supt. Voltaire, Garneld, Booth and Nugent, hematite and magnetic. Shafts and open pits, 25,00 toos, steam, horse and hand.
Silver City By, 26.	Grant	William H. Newcomb. Cap. \$50,000. Union, Hartburn, Iron Head, Mikado and Adonis, magnetic and hematite. 30,000 tons; horse and hand.

### LEAD AND ZINC

Lincoln Zicarilla Fron Mining Co., East Las Vegas, N. M. Cap. stk. \$100,000. Zicarilla, hematite. Shaft.

LOCATION OF MINE, RAILWAYS, WATER ROCTES AND SRIPPING POINT	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUA OUTFUT IN TORS OF 2000 FOUNDS, KIND OF POWER USERS NAMELTERS, ETC., AND NAME OF MINE SUPPRINCENDENT.
Town and Counti	
Cooks Grant Ry, Florida 26.	Peter Sprey. Minnesota, Wisconsin and others, lead. Timnel; retractory.
Hanover . Grant Ry, 26.	Mineral Paint Zinc, Co., Chicago, Ill., 1206, Ashland Block, D. B. Jones, prest.; W. A. Jones, seey, and treas. Thunderbolt and Zinc Valley, zinc. Open pit, hand,
Kelly Socorro Rv. 26.	Graphic Mining Co. Graphic, lead. Shatts and tunnels, 12,000 tons; steam. W. H. Patterson, supt.

Las Cruces — Dona Ana Lawrence Lapoint, Alice A. R. Nell, lead, Shaft, Ry, 26,

Organ Dona Ana A. J. De Meules. Cap. \$5,000. Galena King, lead. Tunnel; hand. Ry. Las Cruces 26.

"Glibs & Edson. W. B. Glibbs, mgr, and supt. Cap. \$5,000. Comstock, lead. Shatt, 200 tons; refractory; horse,

Pinos Altos —— Grant J. H. Houston & W. B. Thomas. Alpha and Omega, lead. Shafts: funnels and slopes, 1,200 tons. Rv. silver City 26.

## MICA

LOCATION OF MINE.	
RAILWAYS, WATER ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
AND SHIPPING POINT.	NAME OF MINE, KIND OF PRODUCT, KIND OF MINE ANNUAL OUTPUT IN TONS OF 2,000 POUNDS KIND
A.11	OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.
TOWN AND COUNTY .	

Tres Piedras — Taos George B. Berry. California, Highland, Little Gami, mica. Sharts and tunnels, hand, Ry, 215.

## STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WAIER GOUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARKS, KIND OF NYONE, KIND OF MINE OR QUARKS, ANNUAL OUTFUL IN TONS OF 2,000 FOUNDS, KIRSO OF POWER VERD, STORE OR MARBLE MILLS, LIMPELINS AND
Town CHENTY	Capacity, Etc., and Name of Mine Superintendent.

Hillsboro Sierra Owen McDonald & Arend, Statue, Marble (developing), Ry, Lake V, dley 26.

silver City Grant G, Armeny & J, Wollsten, New York City, 90 Nassaust, G, Armeny, mgr. Ajax, stone. Slope: hand and horse. J. Wollsten, supt.

- Mexican Marble & Onyx Co., Chicago, Ill., 59 Dearborn St. W. J. Patchell, prest., D. F. Morris, secy.; A. H. Doelliner, treas., T. E. Hinds, mgr. Cap. 84k, 8500,000. Calwell, marble and onyx. Open pit; hand developing.

## SEE ALSO SUPPLEMENTARY LIST

# NEW YORK

### ASBESTOS

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Edwards Ry. Gouverneur 638,

Tows

St. Lawrence: Asbestos Pulp Co., Rochester, N. Y., German Insurance Bldg. A. L. McCrea jr., mgr. Cup. stk. \$600,000, uverneur 63s.

Asbestos, fibrous tale. 16,000 tons, water.

#### CEMENT

LOCATION OF MINE OR QUARRY, RAILWAYS WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OR QUARRY, KIND OF PRODUCT, KIND OF MINE OR QUARRY, ANNUAL QUIPUT IN TOSS OF 2000 POUNDS, KIND OF POWER USED, CEMENT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

De Witt Ry. 501.

"Onondaga John Sheedy & Son. Cap. \$29,000. Cement, limestone. Open pit, 7,000 tons; cement mill, 6,000 tons. hims-kth, 5,000 tons.

Fayetteville. Ry, 798.

. .Onondaga Bangs & Gaynor. Cement and plaster rock. Open pd. 12,000 tons. steam; cement mill, 600 tons. plaster mill, 7,000 tons. W. F. Gaynor, supt.

## CORUNDUM

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

n fland - Westchester - New York Emety Co. P. O. and Ry. Peekss - emery. Open pit, kill 215, 501. Contland

A. G. Saiclaur, prest, and mgr., T. H. Dugan, seey. Cap. stk. stoo.oo. Peekskill, 20 tons, hand, steam, mill. A. G. Saiclair, supt. emery. Open pit, 350 tons, hand, steam, mill.

### GRAPHITE

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OLFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Graphite Warren Ry, Ticonderoga (20, 212)

Warren Juseph Dixon Cuebbe Co., Jersey City, N. J., cot, Wayne and Monmooth Sts. L. P. C. Volaig, prest, one 120. George E. Long, seey., John A. Walker, v. sprest, treas, and mgr. Cap. 8th, 85 J.500. American graphite, Open pit, so tons, Storm. George Hooper, sopt.

## GYPSUM

LOCATION OF MINE RAILWAYS, WALLE BOT ITS AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, MILLS, FTC., AND NAME OF MINE SUPERINTENDENT

Lows

Onondaga Kenna & Allen local , Gypsiin, Open jet, too tons, water, in il.

Cancillus

Oakheld

Onoudaga W. W. Candell, Payetteville, N. Y. Cap. Shore. Gypsum. Open pd. 10000 tons, hand

Die Witt By Orville 250.

Robert Dunlap & Co. Cap. 820,000 — Jamesv.Pc, 2xps.nn, cement. Open pd. 5,000 tons water cement mill, capacity 15,000 tons, 2xps.nn mill, capacity 7,500 tons.

Win, C. Hard, Gypsum Bed, gypsum rock, F. M. Severance, mat

Lenox Madeson P. O. Hobokenviller Ry, Wampsville 798, 250,

Madison Trying futtle, Cap. 85,000. Open pit, 500 tons, water,

Man'ais Onondaga James Behan, Cap. 85,000. Gypsum, cement. Open pit, 20,000 tons, steam, e-ment m. 5, lean, 12,000 Toy. 798

, Genesee Oliusted & Stopas, Cap. \$10,000, Gypsum, 2,000 tons, steam,

Suff van Madison, R. D. Button, Plaster stone, 1,000 tons, in P.

Ry, Cottons 247.

Wheatland Mor P.O. Garbertt, Rv.  $\underline{Monroe} = \mathbf{J}, \, \mathbf{W} \cdot \mathbf{Garbutt} - \mathbf{Garbutt}, \, \underline{\mathtt{sypsum}}, \quad \mathbf{Shatt}, \, \mathbf{s.000} \, \mathrm{tors}, \, \, \mathrm{water}, \, \mathrm{m}^{-1}$ 

Moreshi

Dossie

## TRON

LOCATION OF MINE	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
RAILWAYS, WATER ROUTES	NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,001 POWER, KIND
AND SHIPPING POINT	OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

E SUPERINTENDENT. AND COUNTY Tows. Dutchess Amenia Mining Co., New York City, 58 Williams st. F. Kingsbury Curtis, prest.; A. M. Card, seey.; J. J. Morchouse, treas. Cap. stk. \$150,000. Amenia, brown hematite. Open pit, 20,000 tons; steam. Апрепеа

Ry, 501. Jefferson Jefferson fron Co. E. B. Bulkley, prest, and mgr.; F. S. Salisbury, secy.; C. E. Bulkley, treas, Cap. stk. + \$50,000, Old Sterling, hematite. Shaft and slope, 75,000 fons. Antwerp Ry, 638.

Dutchess, A. E. Tower & Bro., Poughkeepsie, N. V. Hematite, 43,000 tons; steam, J. P. Cramp, supt. Beekman Ry. 493.

Clarton | Peru Steel Ore Co., Ltd., Clartonville, X. V. | Geo. H. Cleaves, prest.; Charles M. Hopkins, seey, and treas, 23. | Cap. stk. \$31,000. | Palmer and Winter, iron ore, | Slope; steam; bloomary forge, Black Brook Ry. An Sable 213. J. & J. Rogers Iron Co., Au Sable Forks, N. Y. H. W. Stetson, prest, James Rogers, seey. Cap. stk. \$200,000. Palmer, magnetic. Slope; steam. Wm. Hopkins, supt.

U sex Crown Point Iron Co., Chester Griswold, prest., H. M. Olmsted, seey, and treas., A. L. Imman, mgr., Cap., stk. \$1,500,000. Crown Point, bessenier. Shafts and slopes, 55,000 tons; steam. Thos. Montagne, supt. Crown Point... Rv. 196, 213. Dannemora

Chuton Charleaugay Ore & Iron Co., Plattsburg, N. V., 50 Clinton St. Smith M. Weed, prest.; A. L. Imman, seey, and mgr.; H. M. Olmsted, treas. Cap. 8tk, \$1,500,000. Charleaugay, bessenier, magnetic. Shafts, 300,000 tors, steam, furnace. A. McDonadd, supt. East Fishkill. Dutche's: A. E. Tower & Bro., Poughkeepsie, N. V. Brown hematife, 42,000 tons, steam, J. P. Cramp, supt.

By Sylvan Lake 193, Fort Montgomery Orange | Forest of Dean Iron Ore Co., Poughkeepsie, N. V., foot of Hollman 8t. Jos., T. Tower, prest., H. N. Bron-Sinade, seey., A. E. Tower, treas, and mgr. Cap. 8tk, 8400,000. Forest of Dean, magnetic. Slope, 20, 000 tons, water. Pearer Clonard, supl.

Gonverneur St. Lawrence Gonverneur Iron Ore Co. S. H. Beach, prest., John Webber, seey, and mgr.; Wm. R. Dodge, treas. Cap. 8th, 8200,000. Kearny, hematite. Shaft, 30,000 tons, steam. John Salmon, supt.

Lewis Specular Iron Mining Co., Syraeuse, N. V., White-Merril Bidg. Clarence Tucker, prest, and negr.; E. N. Westcott, seev., Charles A. Tucker, treas. Cap. 81k, \$240,000. Specular, bessemer. Shaft; steam. Harrisville Rv. 109.

Essey Besey Iron Co., New York, N. Y., 45 Cedar et. G. Lindenthal, prest., O. H. Cutler, seey; James M. Lewis, treas; Win, H. Serrles, nigr. Cap. etk. \$25,000. Essey, bessemer, magnetile. Stope, 15,000 tons; steam. Win, H. Searles, sapt. Ry, Port Henry 213.

Port Henry Iron Ore Co., Poughkeepsie, N. Y., toot of Hoffman St. J. Tawnsend Barden, prest.; Frank S. Witherbee, seev.; A. Edward Tower, treas, and mgr. Cap. stk. 8200000, "21," Fisher, magnetic, Shafts, slopes and open pit, 1603/94 fore; steam. George G. Roe, supt. Witherbee, Sherman & Co., Port Henry, N. V., New Bed, "O. B.," 21 mines, bessemer, magnetic. Shaft, tunnel, slope, open pit, 400,000 tons, steam, electricity, 3 turnaces. W. H. Teft, supt.

North Salem Westehester Clover Hill Mine & Concentrating Works, Pittsburg, Pa., Bank of Commerce Bldg. Clover Hill, mag-Ry, Purdy's Sta. 501.——netic. Open, 60,000 tons, steam. Win D. Hoffman, supt.

Rossie Iron Works, New York, N. Y. Room 84 Drevel Bldg. Anthony J. Thomas, prest.; J. P. Curtis, seeg, and Ireas., Gregory P. Harte, mgr. Cap. 8th, 829,000, Keene, Cabedonia, Kearny, red hematite, shaft, shope, 40,000 tonis, Steam. St. Lawrence Ry. Hammond 638.

Orange Sterling Iron & Railway Co., New York, N. V., 43 Wall St. M. Cove, prest.: Peter C. Batlow, seey., D. Crawford Clark, Irons, Clars, R. Westbrook, gen, mgr, and supt. Cap. stk. 81,250,000. Sterling, Scott, Iron of c. Shaft, slope, 65,000 lons, steam. Warwick Rv. 394.

## MICA

LOCATION OF MINE. Name of Company of Individual, Location of Principal Office, Names of Officers, Capital Stock, RAILWAYS, WATER HOUTES NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND and Shipping Point. OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT. AND COUNTY

W. haurt Her Rv. Prospect 638 Herkinger Isage J. Graffith, Utica, N. Y., 57 Arcade, Tunnel, hand (developing).

### MINERAL PAINT

LOCATION OF MINE, NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK RATEWAYS, WATER LOUGES NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND AND SHILLING POINT OF POWER USED, PAINT MILLS, FTC., AND NAME OF MINE SUPERINTENDENT

ordge - Rensse'aer William Connors, Troy, N. V. 577 River st - American Seab, Immeral paint. Open pit, 2,000 Ions, water 'O', and 'Ry | Lagle | Budge (Eg. 5d.)

Otsego, Omeonia Mineral Paint Works, New York City, Tribune Bhlg., Oneonia, Indian ocher., Steam, mill.

#### $\simeq$ ALT

LOCATION OF MINE OR WELL.
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. Name of Mine, Kind of Product, Kind of Mine of Well, Annual Output in Tons of 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Town AND COUNTY

Onondaga: James M. Gere, Wells, 45,000 brls.; steam, horse, hand, Belle Isle Ry, 501, 737, 798.

Castde Ry, 503,

Wyoming Mrs. R. F. Edmundson, Silver Springs, N. Y. J. M. Duncan, receiver. Wells, 90,000 byls., steam.

Cuylerville Ry, 805.

Livingston Phoemy Dairy Salt Co., Mount Morris, N. V. Bengamin Roberts, prest. W. W. Morehouse, seey., E. J. Almer, treas., jigt. and supt. Cap. 8tk, 830,000. Phoemy, common, tine, dairy. Wells, 50,000 bils., steam.

Gamsville Ry. 85. Lakeville

Wyoming Duncan Saft Co., Silver Springs, N. V. J. M. Duncan, prest, and mgr., 8, G. Whiton, seey, and treas. Cap. 8tk, 8450,000. Dairy, common, fine. 6 wells, 300,000 bris., steam

Ry. 503.

Javingston National Sall & Chemical vo. F. B. Thurber, prest. L. P. West, seey., Charles F. Burger, treas and ingr. Cap. 848, 8500,000, Comesus, common, fine. 3 wells, aconoccis, steam. L. P. West, apt. Livingston Lackawanna Saft Co., J. S. Tower, mgr., Cap. 84k, 860,000. Lackawanna, rock, common, fine. 2 wells, ow (Ry 20). 65,000 brly., Steam. A. W. Wellis, supt.

Leicester (P.O. Moseow) Ry, 209.

Le Roy Rv. 85, 501, 503,

Genesce Le Roy Salt Co. C. F. Pentice, prest, C. U. Keeney, seey. A. E. Mi'ler, treas., mgr. and supt. Cap. stk. 800000. Dairy, common, fine. [gewells, 480000 brls.] steam.

Laverpool Ry. 638. Onondaga, J. & P. Smith, Cap. 875,000. Fine: Wells, 50,000 bils,; steam,

Mount Morris Lavingston Royal Saft Co. Ry, 209, 503, 805.

(al Saift Co., John A. Voung, prest.: John M. Prophe', seey, and freas., J. C. Winters, nigr. Cap. 8tk, 8100,000. Royal, sait. dairy, fine, coarse. Wells, 20,000 tons, steam.

Onondaga Ry, Syracuse, 209, 501, 638,

Onondaga R. Mara, Syracuse, N. Y., 26 Lynch Block, Salt, tine, coarse, Evaporation, 2,000 tons,

Pearl Creck

Wyoning Pearl Salt Co., George C. Otis, prest., J. C. Buxton, seey, and treas. Cap. 8tk, 84000. Pearl, dairy, common, fine. Wells, 14000 bils., steam.

Ry, 85. Perry Ry, 673,

, Wyoming Perry Salt Co. F. H. Wyekoff, prest , W. S. Page, seey, and treas., W. C. Patterson, mgr. Cap. 8tk, 880, 000. Perry, common, fine. Wells, 150,000 brls., steam, water - I. H. Donnelly, supt.

Salina Onondaga (P. O. Liverpool) Ry.

Onordaga Philip Corkings, Syraense, N. Y., Clinton Block. Thomas Gafe, prest., Lewis Hawley, seey., Thomas rpools Ry. — Malloy, iteas. Onordaga, coarse. Wells, steam, P. J. Bramelkamp, supt.

GAS

Lucius Gleason, Liverpool, N. V., Cop. 8100,000, Thue, Wests, Caoortons, steam,

Salt Vale Ry 85.

Wyoming Crystal Saft Co., Haverstraw, N. V. (60), H. Smith, prest., C. I. Bartlett, seey, and mgr., J. M. Hedges, freas, Cap. stk. 850,000. Crystaf, lable dairy. Webs. 50,000 lebs., steam.

Syracuse By, 200, 501, 638, 708.

Onondaga, H. H. Freeman, 204 Wo'l st., Cap. 850,000. Common, line: Wells, 14, 00 tons, steam, P. J. Brumelkamp, M. R. Hayes, 2508 Loch St. (cap. 820,000). Common, fine. Wells, 36,000 bris., steam.

Warson Wyonning

Western Coarse Salt Co., 9 Clinton Block, 8-1, Comstock, prest, and mgr., George F. Comstock, pr., seey., George F. Comstock, Treas. Cap. 8tk, 8125,000. Coarse. Wells, 40,000 bris., steam and water. Atlantie Salt Co., New York, N. V., 16; Hudson'st, J. A. Cook, prest, and mgr., B. C. Maey, seey, and treas. Cap. 8tk, \$50,000. Standard, dairy, table. Wells, 150,000 brls., steam.

Ry. 85, 503.

Goundock & Humphrey, Aug. S100,000, Dairy, fine, common, Wells, 1,0,000 bris., steam,

Miller Salt Co. J. A. Miller, prest., F. F. Netton, seev. R. D. M. Per, treas, and mgr. Cap. 8tk, 8175,000, Miller, common, line, dairy. 2 wells, 150,000 bils., steam. W.J. am 800cl fte, supt.

York By, 86,

Layingston, Layingston Salt Co., Ltd., Pillard, N.A., Charles L., Wadsworth, prest., Thomas O Mera, seev., treas, and ingr., Cap. stk., \$50,000. Layingston, common, line, tock., Wells, 120,000 brls., steam. Neil Stewart, prest., A'ex. Real, seey., James Bonday, treas, and mgr., Cap. 8tk, \$50,000, York Sa't Co.

#### SLATE

LOCATION OF QUARTER. RAILWAYS, WATER ROUTES OND SHILPING POINT. AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OTFICERS, CALIFY STOCK NAME OF QUARRY, KIND OF STATE, KIND OF QUARRY, ANNUAL OUTPUT IN TONS OF 4:00 POLYS KIND OF POWER USED. MILES, UTC., AND NAME OF QUARRY SUPERINTENDENT

Lows

Granv.<sup>Me</sup> Washington, Martin McHeury. Bates & Allen, red slate. Open jet, 1,200 tons, horse, 10 . 213.

Course, Well, 75,000 brls

Metrower Red Slate Co. Wm. H. Kardand, prest. Hagh Williams, socya treas, and mgr. All ff. recorded state. Open jut, horse, steam, New Roston Red Slafe Co. E. Richardson, prest, O. H. Hughes, seev., Evan W. Davis, (teas., A. S. Hughes, mgr. New Roston, Open pd. 21,500 tons, steam, horse.)

Middle Granville Washington Ry , 213.

Williams & Grobbis, Granville, N. V., Cap., 84,000. Red slate. Open pit, no rous, horse, "Joseph W., Withams, supt.

salem Washington, Morey & Kays, Cap. 830,000. Morey, ied slate. Open pd. steam Ry 213.

John M. Williams - Valley View. Open pit, 500 tons, horse, steam. John H. Obens, supt

#### SLATE (CONTINUED)

LOCATION OF QUARRY, RAILWAYS, WATER ROUTES AND SHIPFING POINT. COUNTY. Tows AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.

Sand Lake Ry. Troy 315, 501

Rensselaer Cornelius Snyder, Cap. \$15,000. Sand Lake, Open pit, 450 tons, water; paint mill,

Troy Ry, 315, 501,

Rensselaer F. Thomas, 92 Fourth st. Slate rock. Open pit, 1,000 fons; water; mill.

Whitehall Ry. 213.

Washington Hatch Hill Red Slate Works, Red and olive slate, Paint mill,

#### SOAPSTONE

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE OF BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Edwards By, Gonverneur 638,

St. Lawrence Adirondack Pulp Co., R. H. Thurman, prest, W. V. Baker, seey.; John A. Maming, treas. Cap, stk, averneur 63s. \$55,000. Adirondack, tale. Shait, drait, slope, 40,000 tons, steam. Charles A. Millet, supt. Agalife Fibre Co., New York City, P. O. Box 781, Freeman, fibrous tale. Shatt, 8,000 tons; steam, Henry Johnson, supt.

Fred H. Haile. Col. Palmer, tale. Shaft, 8,000 fons, water. Alfred Treglown, supt.

Fow let Ry. Gouverneur cas.

st. Lawrence Gardner Pulp Co. Wm. Woodcock, tale. Shatt, 6,000 tons; steam.

Northern New York Manufacturing Co. Donald McNaughton, prest.; M. D. Packard, seey, and treas., J. McNaughton, ngr. Capacity 8,00,000. Wight, tale. Shatt. 4,000 fons, horse; mill, capacity 4,000 tons. J. McNaughton, supt.

Gouverneur St. Lawrence Asbestos Pulp Co., Rochester, N. V., 65 German Insurance Bldg. A. S. Bigelow, p seey, and freas.; A. L. McCrea pt., ngr. Cap. stk, \$30,600. Palmer, fibrous fale water. A. S. Bigelow, prest,; A. H. Green, . Shaft, 30,000 tons;

Hallesboto, St. Lawrence Ashestos Pulp Co., Rochester, N. V., German Insurance Edg. Albert S. Bigelow, prest, Arthur H. Grein, seey, and trens, Seey, and trens, a L. McCrea jr., mgr. Cap. 8tk. \$00,000. Palmer, Freeman, fale, Shaff, slope, water, A. L. McCrea jr., supt.

## STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WAFER ROUTES AND SHIFFING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OF QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF LOWER USED, STONE OR MARLLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Town AND COUNTY.

Rv 250,500

Alluon

Orleans Albion Stone Co. H. M. Claffin, pres-pit, Steam, Thos. Habitax, supt. 41, M. Claffin, prest., W. 45, Page, seev. Cap. stk. \$59,000. Albjon, sandstone. Open

Goodrich & Clark Stone Co. D. L. Goodrich, mgr. Sandstone Open pit, 20,000 tons; hand and steam.

Ry. Hothey 501

Rochester Medina Stone Co., Rochester, N. V., Ellwanger & Barry Bldg. Wm, F. Ross, prest, and mgr., T. A. Smythe, treas. Cap. 8tk, 815,000. Medina sandstone. Open pit, steam, hand. Orleans Michael Slack, Medina, N. V., 27 Maan st. Cap. \$50,000. Slack's, sandstone. Open pit, 12,000 tons: steam and hand, mill. James Butns, supt.

Ellenville

ter Granite vo., New York, N. Y., 25 Whitchall st. Charles Galwey, prest.; Peter Balen, v.-prest., Thomas M. Bassette, seey., Aired W. Lewis, trens. Cap. 8tk, \$1,000,000. Granite. Steam, hand. Ulster Ulster Granife co.,

Fordham New York, (P.O.N.Y.City) Ry, 501. Germon

New York, Carpenter Bros., Port Chester, N. V. Cap. \$100,000. Ballast, guess. Open pit, 75,000 tons, steem.

Ry, King's Ferry 303.

Cayuga, J. G. Barger, Cap. \$5,000. Barger's, Idnestone. Open pit, 2,000 tons; steam,

Gouvernen: St. Lawrence: Empire State Marble Co., John R. Wood, prest, and treas., Gilbert Mallison, seey., John W. Fraey, mgr Ry, 638. (Open pit, steam, mill. Gonverneur Marble Co., S. B. Van Juzee, prest., G. P. Ormiston, serv., Lewis Eckmann, treas., D. J. Whitney, mgr. and supt. Cap. stk., 875,000 Gonverneur, marble. Open pit, 6,900 tons; steam, mill

Lawrence Marble Co., John Benham, prest, and treas., H. D. Fuffer, seey.; T. J. Whitney, mgr. and supt. Cap. stk. 8150,000.
 St. Lawrence, marble. 20,000 tons. steam, mill.

Granby P. O. and Ry. Oswego Patts 200.

Oswego Granby Brown Stone Co., Oswego, N. V., O. J. Jennings, seey, and mgr. Cap. 8tk. \$20,000. Granby, Oswego — sandstone, 6,000 fors, steam,

Greenport A olumbia (P. O. Jonesburg (Ry.

t olumbia - Fred, W. Jones, Jonesburg, N. V. - Hudson, Innestone, (α,000 tons, hand and steam, mill. - Win, Voung,

70 -65, 501. Hindsburg

.. Orleans Chadwick Bros, Albion, N. Y., Cap. 815,000. Sandstone. Open pit, 3,000 tons, steam and horse.

Halbarton 13, 501,

Ry, 250,

. Orleans. Edward Fancher, Murray, N. Y., Cap, sig.oro. Medina stone. Open pit, 6,000 tons, steam, electricity

Minerya. Ry North Creek 213.

Essex Adirondaek Garnet Co. Exerctt J. Sevens, prest., Minot Crchore, seey., Harry Crchore, freas, and ingr. (213. Cap. 8tk, \$5.00). Garnet. Open pd. 500 tons, hand. T. L. Allen, supt.

## STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDEAL, LOCATION OF PRINCIPAL OFFICE, XAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TORS OF 2,000 FOUNDS, KIND OF POWER USED, STONE OR MARRLE MILLS, LIMERILINS AND
TOWN AND COUNTY.	CAPACITY, ETC., AND NAME OF MINE SUFERINTENDENT.

Mt. Pleasant Westchester	Snowtlake Marble Co., New York City, 157 Broadway. Goo, S. Rice, prest., H. Groenemeyer, seey., A. L.
(P. O. Pleasantville)	Pritchard, treas, and mgr. Cap. stk. \$100,000. Snowflake, marble. Open jut, 10,000 tons, steam, mill,
Ry, 501.	3 kilns. R. S. Henwood, sunt.
and the second second	At the second se

New Hartford	Oneida E	<ol> <li>F. Thompson (local).</li> </ol>	Thompson, brown sandstone.	Open pit, Lowetons, horse, hand.
Rv. 200, 505.				

Ry, 209, 505.	F. G. Clarke Time Stone Co., Oxford, adjectorie, Steam, Juni, H. W. Clarke, Supt.
Phillips Putnam P. O. and Ry. Cold	Lewis J. Barley. Breakneck, gramte. Open pit, mil'

	Burlington Manufacturing Co., Burlington, Vt., 25t Pine st.	Torrey E. Wa'es, prest, Micah H. Stone,
Ry. 213, 124.	seev.; Joel H. Gates, treas., Chas. R. Hayward, mgr	Cap. stk. 8175,000   Lepanto and Prench
	gray marble. Open pit, steam, noll. P. Lezoito, supt.	
Potsdam, . St. Lawrence	Potsdam Red Sandstone Co., Sandstone, Steam,	

113.055								
Ridgeway Ev. Medina	Orleans 501.	John Le Valley, Shelby Pa and horse; mill.	sin, N. V.	Cap. 850,000.	Le Valley's, s	andstone	Open pit, 14,000 tons	, hand

Roches	ter t	12/11	Esopus Millstone Co., Kingston, N. V., Win, M. Haves, prest, and treas., A. Haves, seev, and mgt	
- 11	O. Accord:	13.5	Esopus, millstone. Open pit, band, m.R.	
	oscudale 788.		the part time to the control of the	
	treatments ( e.g.			
			<ol> <li>G. Harnden, Kysenke, N. V., Cap 84000, Esopas, multistone Open pat, 500 tons, hand.</li> </ol>	
			are a statement, reporting a sea and a sea of the specific for the season of the left, and the season of the seaso	

**	**	James S. Vanetten, Granute, N. V. Esopus, mr?stone - Open pat - hand, mr?i.
Warsaw . Ry, 85, 503.		Warsaw Blue Stone Co. N. S. Beardsley, prest. W. J. Emetson, seev. and mgt. S. B. Whitlock, treas, Cap. 8th, 860,000. Watsaw Blue, bluestone. S. ope, open pit. steam. in 21. A. B. Davis, supt.
Warwick Ry. 394.	Orange	Tuthiff & Hankins. Poelmeh Mountain, granife. Open (at hand 1988) 8, Lithiff, suit.

Wawarsing Ulster T. H. Lawtence, Tsopes, in Astone, hard, conent in: Ry 213,

SEE ALSO SUPPLEMENTARY LIST

# NORTH CAROLINA

## BARYTES

Location of Mine.
Raieways, Water Routes
and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL DIFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF WINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF FOWER USED, BLAST PURMACES, ETC., AND NAME OF MINE SUSPENITMENEST.

Stackhouse Ry, 622, Madison, J. T. Morehead, Leaksville, N. C., Ouen nit, L200 fons, hand,

## COAL-BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OPPICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MISE, ANNCAL OUTPUT IN TOSS OF 2500 POUNDS, KIND OF FOWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Town AND COUNT Egypt Depot Chathan Ry, 244.

Chatham: Egypt Coal Co., Samuel A. Henzey, prest, and mgr., Fletcher Coleman, seey, and treas. Cap. stk, \$330,000, Egypt. Shaft, 100,000 tons; steam.

## COPPER

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PERSCHAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
NAME OF MINE, KIND OF OUR, KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2,000 POUNDS, KIND
OF POWER USED, FUNIANES, ETC., AND NAME OF MINE SUPERINTENDENT

Blue Wing Granvi Ry, Mayo 32,

Granville Granville (opper Co., Washington, D. C., 146 F st. 41, S. Commings, prest, C. S. Conger, seey.; Chas, A. Williams, treas; Geo. R. Chittenden, mgr. Cap, six Scotton. Blue Wing, copper, bornite, quartz, Shaft, aconotons; steam; concentrator, 6,000 tons; J. C. Fenton, supt.

Cullowhee Jackson Ry, Webster 622, Raker City Grainville (P. O. Blue Wing (Ry, Mayo 32,

Jackson Southern Mining & Manufacturing Co. Cullowhee, Wasze-Nutta and Savannah, copper, mica and kaolin, Shatt and tunnel.

Granville Blue Wing Copper Co. William Whitmen, prest., J. R. Kaultman, seey.; A. Walter, treas.; William Wing; Ry, Raket, mer., Cap. stk. \$500,000. Blue Wing, copper, Shatt and drift, 20,000 tons, free; steam.

## CORUNDIN

LOCATION OF MINE OR HANG.
FAILWAYS, WATER ROUTES, AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OF BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUFFERINTENDENT.

Town and County

FBinay Macon J. D. Moore. Turkey Knob, Corundam Hill and Winteomb. Open pit.
Rv. Webster and

#### GOLD AND SHAER

Location of Mine, Railways, Water Routes and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2100 FOUNDS, KIND OF POWER USED, NTAMP MILES, ETC., AND NAME OF MINE SCPLEINTENDENT.

Town AND COUNTY

Avery's Creek, Buncombe
Ry Ashevillenge (14 m.).

Levi Jackson, Asheville, N. C. County Line, gold and silver. Open pit, hand,

Brindletown Barks By, Worganton 622.

Boyd Co. Hancock, gold, Placer, tree, water, J. F. Boyd, supt.

Carolina Queen Consolidated Co., Boston, Mass., 478 Devonshire st., Charles M. Bruce, trustee. Carolina Queen Consolidated, gold. Placer, shaft, Tree, steam, 5 stamps. Frank W. Boyd, supt.

" M. H. Goins, Brindletown, gold, Placer, open pit,

<sup>1</sup> F. A. Johnson, Queen Mine, gold. Placer, open pit, hand.

W. Kelley, White Bank, gold. Open pit, hand, J. C. Mills, supt

John C. Landreau, Washington, D. C. Hancock, gold. Placer, hand.

William Long, Venn. gold, Placer, finnel, hand,

Cyrus Settlenvie, Gold,

Ch. adler's Grove Montgomery Ry Lexington 622.

W. L. Russell, Cap. 81,000, Russell, gold, quartz. Open, hand.

## GOLD AND SHAVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF DRE, KIND OF MINE, ANNUAL OUTTUT IN TOSS OF 2000 POUNDS, KIND OF FOWER CHEEL, STAND MILES, ETC., AND NAME OF MINE SUPERINFERNENT.
TOWN AND COUNTY.	

Rowan Aldrich Mining Co., Salisbury, N. C. W. F. Aldrich, prest., A. P. Laghthul, seey., treas, and mgr. Cap. 8th, 850,000. Southern Belle, gold. Shaft and slope, about fors; tree and retractory, steam; to stamps. M. Folson, supt. China Grove. Ry, 622 (4 mfles),

Ry. Harrisburg 622.

Derita Mecklenburg, C. A. Meggari, Hunter, gold. Open pit, free, steam, stamp mill, Ry. 622.

Flaggtown , Montgomery F. E. Reeves, Gold, Shatt, water, Ry, Lexington 622,

Gartield Rowan Lucy E. Williams, A. R. Williams, mgr, and supt. Gold Knob, gold and copper. Shatts, refractory. Ry, Gold Hill 622. Steam, 5 stamps Gastonia Gaston Long Creek Co., ig Creek Co., Richmond, Va., City Bank, T. M. R. Talcott, post. Win H. Palmer (r., sery, and treas. Cap. stk.8500000, Micarty Hell, Dixon, Asbury, 207d, Shatts, retractory, steam (developing).

Ry. 622. Caldwell, Watinga Mining Co., Knoxydle, Tenn., Charles H., Brown, prest., T. F., Brugdott, seey, and treas., J. H., 22. Todd, mgr., Capestk, Stongon, Old Gragg, gold. Stope, 200 tons, tree, water, stamp mill. Attred Globe Ry, Lenoir 622. Todd, mgr. Ca Worlman, supt.

Gold, Hall Rowan, F. H. Manney, Cap. 819,000. Tumple and McMackin, gold. Shatts, 4 rec and retractory, horse, Rv. 622

New Gold Hill Co., Ltd., Lendon, Eng., 15 George st., Mansion House - Major teneral Lloyd, prest., Hickard L. Hobbs, seey - Richard Times (r., nigr., and supt. (ap. stk. s1750000, "Gold Hill, gold and cuper." Sharts, 30000 (ros.), ((Tacotory, Stein), "gostimps.")

Caldwell Bee Mountain Mining Co., Lenors, N. C. Miller, gold. Open p.t. free, steam, mill developing a HarCand. Ry. Lenour 622.

Hornet Mecklenburg C. P. Mingo & E. H. Haison, Can Signer, Harris, Open pit and shaft, free developings, C. P. Mango, Ry. Charlotte 622. supt.

Huntersville, Mecklenburg, W. R. Jordan, Derita, N. C. Jordan, gold. Open pit, water, Rv. 622

Garford Central Gold & Copper Mining Co., Norfolk, Va., John B. Whitehead, post (Capestk, 8100,00), Central, gold and Copper Shart Tree Steam, nat.) Jamestown Rv. 622.

North State Copper & Gold Winnig Co., Baltimore, Wd., 6 South Gayst, Charles K. Olaver, prest., Firman Saller, seed. W. H. Saller, treas, Cap. 8th, 85,000,000. North State, Johann Copper, Shatts tunnel and slope. In c., y tractice y steam, water, 20 stamps and come intater. James Finner, Supt. Southern Gold & Copper Co. Phylodolphia, Physical Walnut St., George R. Morehouse, prest. Cap. 8tk, 8100,000. Southern, gold and copper. Shatts, free and retractory, steam. James Palmer, supt.

. Caldwell Blue Ridge Mining Co., Husbands Creek, Bald Knob, 2001. Strain, stamp matt. J. S. Perkins, supt. Lenor Ry. 622.

Machinetih Lincoln W. A. Graham, Ann. Stojova, Ad Jham, 2014, Salver, copper, Open and placer, tree, hand, hy from Station 104

Mecklenburg Baltimore & North Carolina Good Mining Co., Baltimore Abd., 21.8. Gay st. T. W. Hoopet, seey Baltimore and North Carolina, gold quartz. Shaft and slope, tree and retractory, steam systamus P. G. Ladier, supt. Matthews

Union A. A. Laney. Lynchen River, 2 &d. Shatt and open juts, tree-developing a Montroe Ry. 104, 664

Moratock | Montgomery Moratock Maning Co., Albemark, N.C. Moratock, 201d. Open p.t. refractory, steam dustamps - S. F. By. Albemarle 623 Mutthy, supt

e Mining Co., T. J. Crowell, prest , T. M. Crowell, seev., J. L. Crowell, treas., H. C. Crowell, nigr. and supl., Cap. stk. 85000., Jane, 201d., Shaft, 10,000 (ons. free steam) 40 stamps. New London Stanley Jime Mining Co. Ry, 622.

Parker Gold Mines Co., Ltd., London, Ling, S. Cornhall St., James Jandd, prest., N. Goldmann, seey, and trens. Henry Juddl, mer and supt. Corp. Parker, Plant Springs, gold. Placer, open pit and shaft, tree, steam and hydraulic, bestumps. Arthur Arrangton, 2056 quartz. Places, to e.

Rangoni's Broker Peinklin Arthur Arrington, Londong, N. C. Ry. Mac and 22. 8 6. Sturges. W. F. Sturges, mgg. Port's, gold. Placer, open p.t. steam. Pestamps.

Science Hill - Eundolph John F. Lowe, Cap 820,000, Banghain, 201d.

Ry, Ashielonousz, 8 m.

bayakon Siyer Hall Manag Co., New York, N. V., Cap. stk. sground Sixer M.P., gold, salver, bead and zinc. Smatt smoothers, retractory stemmer 2 stamms of M. Penn, pt. Silver Hall Ry. Lexington sea

### GRAPHITE

LOCATION OF MINE OR BANK, RULWAYS, WATER KOUTES, AND SHIPPING POINT. NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF DIFFICERS, CAPITAL STOCK NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWEL USED, ETC., AND NAME OF SUIERINTENDENT. Town AND CHENTY

Wake, Tucker, Palen & Whinton 2 of Provitey, Performed Corporate School, Her on seem sugar. Slope, hand Rateigh.

## TRON

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND OF POWER CYSED, BLAST, FURNACES, ETC., AND NAME OF MINE SUFFERINFEEDERS
Town AND COUNTY.	
Bessemer City Gaston By, King's Mountain 622.	Bessemer City Mining & Manufacturing Co. J. 8, Carr, prest.; J. A. Smith, seey, and treas.; J. A. Pinchbiek, mgr. and supt. Cap. stk. 855,090. Ormand, Little Mount, Furguson and Ore Hill, bessemer. Shafts, 12,000 tons; steam.
Big Ore Bank — Lincoln (P. O. Derr) Ry, Fron Mountain 104.	berr & Remhardt. Cap, 821,000. Eig Ore Bank, shaft and tunnel; steam; furnace.
	Ray & Burton.   G. D. Ray, mgr.   Cap. \$20,000.   Magnetite and corundum.   Open pit, 1,000 tons; horse.
	$J,\Lambda,\mathrm{Blackwelder},\mathrm{CatawbaValleyIronWorks},\mathrm{Shaftandtunnel};\mathrm{water};\mathrm{turnace},$
	Cramberry Iron & Coal Co. Frank Firmstone, prest., John S. Wise, seey, and treas; C. H. Ninson, mgr. Cap. stk. 82,000,000. Cramberry, magnetic. Timnels and open pits, 2,000 tons; steam, air, electricity, horse and hand, turnace, 3,000 tons. S. M. Putana, supt.
Dembury Stokes Ry, Walnut Cove 523,	Carolina Iron Minling & Investment Co. W. B. Wills, prest.; G. E. Brodrick, seey, and treas.; H. B. Tilden, ngr. Cap. stk. \$1,000,000. Magnetic. Open pit. 22,500 fons.
	Ormand Co. J. J. Ormand, mgr. Cap. 8tk, 810,000. Chestnut Ridge, mica, iron and fin. Open pif; hand.
	North Carolina Steel & Iron Co., Greensboro, X. t., J. A. Odell, prest., C. D. Benbow, seey, and treas.; J. D. Kase, mgr, and supt. Cap. stk. \$1,000,000. Ore Hall hematite and magnetic. Open pit. 20,000 tons, steam and horse, furnaces.
Pdof Mountain . Surry Ry.98.	North Carollan Steel & Iron Co., Greenshorn, N. C. J. A. Odell, prest, C. D. Benbow, sees, and treas, J. D. Kase, mgr, and supt. Cap. 8th, 8100,000. Prod Mountain, hematic and magnetic. Shaffs and open pds, 20,000 tons, steam, furnaces.
Rockford Surry	David W. Worth. Magnetic. Water. North Carolina Steel & Iron Co., Greenshoro, N. C., J. A. Odell, prest., C. D. Benbow, seey, and treas;
Ry 622.	North Carolina Steel & Iron Co., Greensboro, N. C., J., A. Odell, prest., C. D. Benbow, seey, and treas,: J. D. Kase, mgr. and supt. Cap. 8th, 84,000,001. Rockford, hematite and magnetic. Shafts and open pits, 20,000 forcs, steam, fortness.
Seth Grany.lle Rv. Oxford 622.	W. Raker & Co. Cap. 810,000. Raker. Shatt, 20,000 tons.
South Toe Vancey Ry, Mation 622.	E. Barnett. Barnett, mica, iton, silver an Ucad. Slope, band.
	ALICIA
	MICA
LOCATION OF MINT. RAILWAYS, WATER LOUTES AND SHIPPING POINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Product, Kind of Mine annual Output in Tods of 2300 Pounds, Kind of Power Used, Erc., and Name of Mine Septemberdent.
Town AND COUNTY	
Bakersyrte M tehell Ry, Mitton 121, 622.	John Collis, Estatoc, N. C. Cap. 85,000. Murphy Rock. Open pit, 5 tons, hand.
	Flat Rock, Mining Co., Penland, N. C. Geo, H. Zinnierman, prest., J. Milton Bailey, seey.; Isaac H. Bailey, treas., J. Milton Ellis, ingr. Cap. 8tk. 850,000. Flat Rock.
	$J_{s}(L_{s}(Rorison(X)Co)) (Rasov, Cloudland and Clarissa). (Shatt, funnel, slope and open pit, (steam, steam)) (shatt) (shape and open pit, (steam)) (shatt) (shape and open pit, (steam)) (shape and open pit, (stea$
Burnsville . Vancey Ry, Marion 622.	W. E. Gouge. Open pit. hand.
Cashiers Aackson Ry, Walhaffa, S. C., 622,	J. F. Rice, Mica and corundum. Hand,
Cowart Jackson	John H. Smith, Wood, Open pit, hand,
Ry. Webster 622	
Cranberry Mitchell Ry. 41.	Western Carolina Macreto , Plum Tree, N. C., Geo, A. Blood, prest, JH, A. North, Secy., S. Win, Blood, treas., W. Vance Brown, mar. (ap. 8tk, 850,000. Mica and feldspar. Steam.
Cranberry Mitchell Ry. 41.	Western Carolina M.ca Co., Plum Tree, N.C., Geo, A., Blood, prest., H. A. North, seey., S. Win, Blood, treas., W. Amer Brown, nigr., Cap., stk. 850,000. Alica and feldspart. Steam. Hamlin, K. Fordyee, Defroit, Mich., orl. 624 at Hammond, Holg., Win, T. Hamlin, prest., T. N. Fordyee, v-grest. Herman Nagle, treas., W.W. Helin, mag. and supt. Cullowhee, mica and corumdum. Slope, timnel and open pit, steam, water, horse, hand.
Cranberry Mitch 21 Ry. 41. Cullowhee Jackson Ry. Webster 622.	Hamfin & Fordyce, Detroit, Mich., 621-623 Hammond Bldg. Win, T. Hamfin, prest., T. X. Fordyce, vprest. Herman Nagle, treas., W. W. Helm, mgr, and supt. Cullowhee, mica and corumdum. Slope.
Cranberry Mitch 21 Ry 44. Cullowhee Jackson Ry, Webster 622. Elleray Macon Ry, Webster 622.	Hamlin & Furdyee, Jotroit, Mich., 6d/933 Bammond Bldg. Win, T. Hamlin, prest., T. N. Fordyee, v-prest. Herman Nagle, freas., W. W. Helm, mgr, and supt. Cullowhee, mica and corundum. Slope, timine and open pit. steam, water, horse, hand.
Crandorey Mitch et Ry. 41, dack on Ry. Webster 622. Elleay Macon Ry. Webster 622. Franklin Macon Ry. Webster 622.	<ul> <li>Hamlin &amp; Furdyee, Detroit, Mich., 6d/963 Hammond Bldg., Win, T. Hambin, prest., T. N. Fordyee, veprest. Herman Nagle, freus. W. W. Helm, mar, and supt. Cullowhee, mica and corundum. Slope, funnel and open pit. steam, water, horse, hand.</li> <li>J. D. Moore. Pressley and Rocky Face. Shaft.</li> <li>Eugene Munsell &amp; Co., New York City, 218 Water st. Open; hand.</li> <li>C. G. Shepherd (Jessee). Beiseley No. 2. Tunnel, hand.</li> </ul>
Cranborry, Mitch et Ry , it. Marcon Ry, Webster 622.  Elbun Macon Ry, Webster 622.  Franklin Ry, Webster 622.  Grassy Creek, Mitchell (P. O. Spunce Pince Ry, Marcon, Na, 622.	Hamlin & Furdyee, Detroit, Mich., 6d/963 Hammond Blig., Win, T. Hambin, prest., T. N. Fordyee, veprest. Herman Nagle, trens. W. W. Helm, and supt. Cullowhee, micrand corundum. Slope, tunnel and open pit, steam, water, horse, hand. J. D. Moore. Pressley and Rocky Face. Shatt. Fugene Munsell & Co., New York City, 218 Water st. Open; hand. C. G. Shepherd classee. Teaseley No. 2. Tunnel, hand.
Crandorey, Mitch et II (1972), it. Marcon II (1972), it. Marcon II (1972), Webster (222), Franklin II (1972), which is a special of the control of the contr	<ul> <li>Hamfin &amp; Fardyce, Joerrott, Mich., 6d/933 Bammond Bidg. Win, T. Hamfin, prest., T. N. Fordyce, Apprest. Herman Nagle, freas., W. W. Helm, mgr, and supt. Cullowhee, mica and corundum. Slope, timile and open pit. Steam, water, horse, hand.</li> <li>J. D. Moore. Pressley and Rocky Face. Shatt.</li> <li>Eugene Munsell &amp; Co., New York City, 218 Water st. Open; hand.</li> <li>C. G. Shepherd dessee). Beaseley No. 2. Tunnet, hand.</li> <li>Asheville Investment Co., Asheville, N. C. 45/8 Main st. (17) Griffing, prest, and mgr., Geo. I. Parmley.</li> </ul>
Cranborry, Mitch et Ry , it. Marcon Ry, Webster 622.  Elbray Macon Ry, Webster 622.  Franklin Ry, Webster 622.  Grassy Creek, Metchell (P. O. Spince Phoc By, Warron, Va., 622.  Insalls Mitchell Ry, Cranborry 201.	<ul> <li>Hamilin &amp; Furdyee, Joetroit, Mich., 621-623 Bammond Bidg., Win, T. Hamilin, prest., T. N. Fordyee, Vejrest, Herman Nagle, trens., W.W. Helm, mar, and supt. Cullowhee, mica and corundum. Slope, tunnel and open pit. steam, water, horse, hand.</li> <li>J. D. Moore. Pressley and Rocky Face. Shaft.</li> <li>Eugene Mansell &amp; Co., New York City, 218 Water st. Open; hand.</li> <li>C. G. Shepherd (lessee). Beyseley No. 2. Tunnel, hand.</li> <li>Asheville Investment Co., Asheville, N. C., 45.8 Main st. C. F. Graffing, prest, and mgr., Geo. I. Parinley, seey., John C. Brown, trens. Cap. stk. 800,009. Cod., Shaft and Tunnel, hand.</li> <li>Jason E. Burleson. Horse, hand and steam.</li> <li>James G. Wiseman. Tunnel, hand.</li> </ul>
Cranborry, Mitch et Ry , it. Marcon Ry, Webster 622.  Elbray Macon Ry, Webster 622.  Franklin Ry, Webster 622.  Grassy Creek, Metchell (P. O. Spince Phoc By, Warron, Va., 622.  Insalls Mitchell Ry, Cranborry 201.	<ul> <li>Hamlin &amp; Furdyee, Joetroit, Mich., 6d/623 Hammond Bldg, Win, T. Hamlin, prest, T. N. Fordyee, veprest. Herman Nagle, treas, W. W. Helm, mugr, and supt. Cullowhee, mica and corundinn. Slope, Junnel and open pit. steam, water, horse, hand.</li> <li>J. D. Moore. Pressley and Rocky Face. Shaft.</li> <li>Eugene Munsell &amp; Co., New York City, 218 Water st. Open; hand.</li> <li>C. G. Shepherd (lessee). Beiseley No. 2. Tunnel, hand.</li> <li>Asheville Investment Co., Asheville, N. C., 47/8 Main st. (P. Graffing, prest, and mgr., Geo. I. Parinley, seey., John C. Brown, treas. Cap, stk. \$200,009. Cook. Shaft and Tunnel, hand.</li> <li>Jason E. Barleson. Horse, hand and steam.</li> </ul>

Mich. Mitchell, M. D. Wiseman, Wiseman, Shatt, tunnel, hand Rv. Marion 622, 121.

### MIIC'A (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE ASNUAL OUTFUT IN TONSOF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINFENDENT.

Town AND COUNT

Plumtree Mitchell Toc River Ground Mica Co. H. R. Jones, prest, and supt., Geo. H. Zimmerman, seey., T. B. Vance, treas., Ry, Cramberry 241. J. E. Warwick, mgr. 300 tons; water.

South Toe. Yancey, J. L. Gibbs, Burnsville, N. C. Cap. 81,500. O'Brien. Shaft; horse and hand. Ry, Marion 121, 622.

Sprince Pine. Mitchell Trby & Gilman, Cap. 812,000. Blazelock and Howell. 40 tons, steam, By Marion 121, 622.

9 J. A. McDonald, Marion, N. C. Win, McRee, ingr. Hawkins. Hand, stone mill

Webster Jackson C. P. Bryson, Jumbo, Shelton, Mt. Bryson, Tunnel, open pat, hand " " M. Buchanan, East Fork, Open pit and shart

#### NICKEL.

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPONY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CALITAL STOCK NAME OF MINE, KIND OF ORE, KIND OF MINE, ANSIGLOPHILLED LOSS OF 200 FORTINS, KIND OF POWER USES, SMILLERS, FIG., AND NAME OF MINE, ELERISTICATION.

Town and County
Webster Jackso

Ry. (22

Jackson, Prot. Limnons., Webster, nickel and cotundam, Shatt, tunnel, slope, open pit, hand, [J. J. Wild, supt

Pinckney & Wi<sup>o</sup>is. Pinckney, nickel and chrome from Open pit.

## PHOSPHATE

LOCATION OF MINE RAILWAYS, WATER ROLLIES AND SHIPPING POINT

NOR, OF COMPANY OF ISBNIEGA, TO ATION OF PRINCIPLE, PARKS OF OFFICERS, CATELES FOCK, NOR, AND KIND OF MORE ANNUAL OFFICER S. NOSS OF 2.00 FORMS, KIND OF FOWER I SED MILES, I TO, AND NAME OF MINE SET PERSTRAINED.

Navassa Brunswick (P. O. Wilmington Try. 847.

Navassa Guano Co., W. mington N. C. cor. Water and Pernoss sts. Donald MacRac, prost., Donald MacRac (r., seev, and Peris.) cap stk, \$29,000 (2020) ons. steam index, (coercloss.) Class. E. Borden, supl.

## STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER BOUTES AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAME OF CHIPCES CAPITAL STOCK, NAME OF WINFORD PRINCIPAL RING OF STORY KINFOOF MINFORD CHIPCHAR ANNUAL OUTPUT IS TONS OF THE POPUL REPORT OF THE PRINCIPAL RING OF THE PRINCIPAL RING AND CAPACITY, LICE, AND NAME OF MINE SCIPPINFERFER.

Town and County
Egypt Dopol Chathan

Chatham Egypt Brownstone Co., Samuel V. Henszey, prest. (Lgypt, brownstone). Open pit. developing

Ry, 314 Fron Station Ry, 104, Mount Arry

Sarry Mount Any Grande Co., Greensboro, N. C., R. Perry Gray, prest. J. W. Fry, seev., Thos. Woodroffe, treas, and mer. Gap. 8tk, 85000. Mount Vity, gran b. St. am, mill. Win, A. Woodroffe, supt.

Ky. 98. Salisbury Treas, and mgr. (ap. stk. 850,000 Mount V.ty, gran to Steam, mill. Win, V. Woodrotte, supt. Rowan, D. M. Bodger, Jorahy, Organ Church, N. C., Brown Rock, white grantle. Open pit, hand.

Salisbury Rv. 622.

20 Stene Mountain Grainte & Improvement Co., W. I. Kettz, pr. st. and mgr. J. Samuel Metablins, see y and Heats, "Cap. Stk., 80,000, "Stone Mountain, white grainfe," Stept. 190 constons, steam.

11cas. Cap. stk. 89,000. Stone Womitain, white grande. Stope for one tons, steam
 J. f. Wyatt Grainte Wilstone Manufacturin. Co. Cap. Sugge. Wyatt's Grande Mountain, white and gray grander. Open pit and slope, hand. J. f. Weatt, supt.

Lincoln J. A. Brown, Open pit, hand, mill

Santord Ry. 98. gray grantle. Open pit and slope, hand. J. I. Wvatt, supt.

Moore: Curolina Brownstone Co., Norfolk, Va., Main st., J. W. Hinsdads, prest. Chas, W. Cassell, seey, and treas
cap, 8th, 855000. Carolina, brownstone. Stop., 12000 tons, steam., J. P. Ma loy, supt.

Southern Red & Brown Stone Co., Philadelphia, Pa., S. F., cor. American and Diamond sts., Lickiel Stew art, prest, John B. Stewart, see a and treas. Cap sik Sagor. Red and brown stone. Open pit steam developing. A Mala Richardson, spit.

Summerfield — aGuilford Angus M. Smith, Greensboro, N. C., P. O. Box and "Go hather approximate Smith, so of RV 602

SEE ALSO SUPPLEMENTARY LIST

# NORTH DAKOTA

## COAL-BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Homer (P. O. Causey (Ry. Bismark 529.

Lehigh (P.O.Dickinson Ry.529, Morton. Sims Ity., 529.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.

Mercer Homer Coal & Mining Co., Jersey City, N. J., 401 Arlington av. Josephus Plenty, prest, and ungr.; Charles Flenty, seey., Win, A. Rosenbaum, treas. Cap. stk. 860,000. Homer. Tunnel, 100,000 tons; electricity and steam.

Stark Leligh Coal Mining Co. Geo. Q. Erskine, prest., R. E. Flenning, sery.; A. C. McGillivray, treas, and mgr. by 5.59. — Cap. stk. \$200,000. Leligh. Timnel, 30,000 tons; horse. F. Reilly, supt. North Dakota Coal & Power Co., Mandan, N. Dak. H. R. Lyon, prest, and treas.; H. T. Wadeson, seey.,

mgr, and supt. Cap. stk. \$50,000. Slope, 30,000 tons, horse, H. T. Wadeson, Cap. \$2,000. Frances. Slope, 20,000 tons; horse.

SEE ALSO SUPPLEMENTARY LIST

# OHIO

## CEMENT

LOUVING OF MINE OR OF MILES. RAILWAYS, WATER ROUTES AND SHIPPING POINT

Centre : Columbiana P. O and Ry. New Lisbon 503, 586, Gypsum Ry, asa.

Sandusky . . Ry 575, 383.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF PRODUCT, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TOSS OF 2,000 Pounds, Kind of Power Used, Cement Mills, Etc., and Name of Mine Superintendent. Columbiana Ohio Cement Co. A. G. Smith, prest, and mgr., M. P. Child, seey. Cap. 8tk, \$20,000. Cement, rock, Rv. New Liss. — Trainel, 8,000 tons; steam, mill, 10,000 tons.

Ottawa Marsh & Co., Sandusky, Olno, Stoane Block, Cap. 8200,000, Marsh, Open pit, 25,000 tons; steam, hand; mill. Henry German, supt. Eric Sandusky Portland Cement Co., Cleveland, Ohio, 711 Perry-Payne Bidg. Dan, P. Earls, ptest., A. St. J. Newberry, seev., and treas., Prof. S. B. Newberry, ner., Cap. 8tk, 8500,000, Martins Point, marl.

## COAL ANTHRACITE

LOCATION OF MINE, BAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS. KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Tows AND COUNTY

Camburdge Rv. 42, 174. Guernsey, J. H. Buckingham, Milener. Open pit, 13,500 tons.

Massillon By 171, 563, 809,

Stark—Drake Coal Co., Cleveland, Olno, Witshire Eldg. Reinhard Keller, prest, and mgr., J. W. Warwack, seey, and treas. Cap. 84, 840,000. Drake. Slope, 60,000 fors, steam. C. A. Konth, supt.

Massillon City Cent Co. J. A. Beidler, prest., J. T. Hocock, secy, and treas., Win, Purman, ingr. Cap., 8tk, 860,080. Massillon City. Shatt, 100,000 tons, steam. Massillon Elm Run Coal Co. J. A. Beuller, prest, J. F. Pocock, seey., H. Huber, trens., J. A. Wilson, mgr. Cap. stk, 800,000. Flm Run Shart, 100,000 tons, steam.

Jefferson, Jefferson Fire Chy Co., Cap. 850,000. Shaft, 55000 fons, Steam. D. H. Kerr, supt. Loronto Ity, 534, 564,

Newherry, seey, and treas., Prof. 20,000 tons, steam, mill, 15,000 tons.

## COAL-BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2200 POYERS, KIND OF POWER USED, COAL DEAGRES, WASHERS, CORE OVERS, AND NAME OF MINE SUPPLENTIFICATION.
TOWN AND COUNTY	COAL DREADERS, WASHERS, CORE CYLINS, AND MAKE OF MINE OCCURNING DEAL.
AkronSummit	Lake View Cord Co. John Todd, prest., A. J. McCartney, seev. and treas., George F. Stambaugh, mgr. Cap. stk. \$200,000. Lake View. Shaft, 50,000 fons, steam. Win Phillips, supt.
Alliance Stark Ry, 13, 563,	E. S. Davis (local), 416 Cambridge st. Wangh. Shatt, Steam.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	J. J. Robertson (local). Shaft, 3,000 tons; steam.
Allianee dri — Malionarg (P. O. Allianee) - Ry, 563,	Henry L. Bandat, (cap site). Bandy. Slope, 1.875 tons. boxs.
Ry. 55.	Captina Coal Co., Cap stk, 810,500. Captina. Shaft, secolous, steam, Al.A. Gates, sont
Baltie Tuscarawas Ry, 173.	James Connor Drift develop n <sub>=</sub>
Bannock Belmont Ry, Bruce 171.	Wm. Taylor [local]. Tunne , band
	John II. Oenham, Cap 8,2900. Mape II. T. Dutt. 5 tectors. horse
	W. S. Taggart Cap, 86,000   Lagart, Orth, 25,000 fors, horse
Ry, Barulull 171.	C.J. Numgesser, Cap 88,000. Wa'ton R dge. Open p4, 12,000 tons. Forse: G. Allo fer, st.pt.
Bellaire Belmont Ry, 42, 55, 17t, 583, 563,	W. G. Bachatol (Cup 85,000) Open jet, horse
	Bella re Na f Works of R. Met orthey prest, A. B. Catter, seey and treas. Cap. stk. 8750009, 820pc, 483 tons, hand. Win Turnburg supt.
	R. Hes'op & Son   Cap (8) 000   Be'mont   Danie (7.50) fons   not ()   W. Heslop, stapt
	Morgan & Gottell, Morgan - Lame', 28,000 fors - horse, - George T. Morgan, 81 pt G. O. Robinson, George freyn, Olive - Cap. 8,500 - Tunnel - horse
	Long Rockershousen. Cop 85000 P3150012, Step 10,000 tens stein John Hands, apt
	James Intribud X on Cap dia Sugare Schicks. Operant (1600) as long. Win O Matter Sept.
Below Mahorens	Math Codward on a Cap Solo Stan's Slope, L'Stations and so
	Youngstown Payn, Brief C. Asyangstown, Ohio, 50; By nont av. J. W. Bigent 95, posst. Hotaco-Smith, seev. A. B. Fig. Peak, Pank Barbon juga. Cos sits, 8 (10); Robert. Shaft, 6000 Funs. Strain. Trends Brief et appl.
Bergholz Jethason Ry, ta	$J(P(Good_2(X,U)\cap U)) \cdot Storm((Belgh)) = Dr(H_1, \operatorname{op} \otimes_{\mathbb{T}_2} U(U, \operatorname{op} \operatorname{tor} U)) \cdot S(\operatorname{storm} \otimes_{\mathbb{T}_2} S(\operatorname{storm} \otimes_{\mathbb{T}_2} U))$
RV, 535.	Henry M. Let - Gosten - Or it 1.50 ctors (horse) - S. M. P. S. (2)
	Warmer Bros. Joeal. Stoney. Open pd. 15 tons. hotse
Ry. Volingstown 383, 503, 503, 504, 502.	
Ry Middlepott 181. 314, bod	
Brashears Hocking Ry 181	Consolulated Could & Minang Co., Cap. mark, Observed W. Lover, set (Ab) Methodical press), Cay within second of Telescope Revision for the mark fragment of the State Mark Shather, simply as the second of the Shather, simply as the second of
Bridgeport Be'mont Ry, 171, 583, 563,	Melton Metomatichy (focal) of tage \$5,000. Open pat. Problems (1997)
	Brilliant Steel & Itom Co., Wheeling, W. Vii., Good., W. Wie at, prist. They I polery discover additions V. I., Wilson, mgr., Capesille Stogery, Br., and Staff the Orbits Steam. Ried at l. H. ands, sopt.
P O Wakeup, Rv 76c	Federal Mining Co. Broady " Super house
	Columbias & Hocking Cod' & Point to a Columbia Olivo Born of Point Bidg. J. O. Moss prest. S. V. We Mannada see V. W. Red and united as a R. H. Holder, on V. prest, and generally "Nos. 1990, and S. Puttl. (Support ones, Steam, collective Vant and consent).
Buffalo Guernsey By, Hartford 236	Cambridge & Dyna Coal Co. Plyt. a. Oiso. A. H. Johnson (prest of K. Massey, edv., Decs. and m., t. H. Hattord. Shatt, 120,000 roles strain. (J. C. H. Usupt.)
	$Annes(A) Anderson, Cleveland, Olivo, 294 Superior(st.) Shaft (1999) (Volume, steam) = W_{\rm s}(A, Smith) (superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Superior(st.) Shaft (1999) (Volume, steam)) = W_{\rm s}(A, Smith) (Volume, steam) = W_{\rm s}(A, Smith) (Volume, steam)) = W_{\rm s}(A, Smith) (Volume, steam) = W_{\rm s}(A, Smith) (Volume, steam)) = W_{\rm s}(A, Smith) (Volume, steam) = W_{\rm s}(A, Smith) (Volume, steam)) = W_{\rm s}(A, Smith) (Volume$
	Cambridge & Elyria Coab Co., A. H. Johnson, prest. J. K. Mussey, sowy, from founding a Cap. 8th, 8100,000. Trail Run., Shatt, 150000 tons. Strain., G. (dg.) Hartison, supt.
	Interprise Coal Co. (loca) Shritt, Jeann
	Huntington Coul Co., Cheeland, Olio, Western Reserve 1942. Cap. Soproc. Cambridge. Shaft, 184 socious, Steam. George Harrison, supt.
	Proneer Coal Co., Cleveland, Ohao, cor. Bank, and Superior sts. S. Grarg, r., prest. C. S. Breneff, seed, and Iteas. Cap. stk. snown. Power, Super-2019. W. H. Day's super-
Cambridge Guernsey Ry 42, 174	Ohm to all to A. J. Warnet, prest, and treas (to be_S) Junes, see y. S. C. Hoyt, near trajection (surpress). Nekolson Whickshop Commond. Shaft dett. see this standard B. Obstat. supplementation.

## COAL-BITUMINOUS (CONTINUED)

RAILWAY	TION OF ES, WATE SHIPPING	R ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COLL BEAGERS, WASHERS, OSE OVERS, AND NAME OF MINE SUPERINSTROBENT.
Town	AND	COUNTY.	
Cambrid ()	er Sontinue		Standard Coal Co., Columbus, Ohio, 26 Wesley Block, 101 N, High St. D, Mathews, prest; Charles Ratzel, seey, and Ireas. Cap. stk. \$100,000. Standard, No. 3. Open plf, 115,000 tons; horse, O, P, Mathews, supt.
Campbel Ry. 2	ll Mt. Veri		Campbell Iron Co., Ironton, Ohio. J. H. Moulton, prest., H. H. Campbell, seey, and treas.; J. W. Campbell, mgr, and supt. Cap. stk. 8100,000. Mt. Vernon Furnace. Open pit, 5,000 tons; hand.
Canal Da Ry. 1	over Ti 51, 174, 5	iscarawas 63.	Ben Bevan, Wagner, Tunnel, 5,000 tons; horse,
		**	Crown Fire Clay Co., J. F. Townsend, prest.; H. B. Manton, seey, and treas.; Thomas Kemp, mgr. Cap. stk, 8100,000. Tunnel, 7,000 tons; horse. Martin Clapper, supt.
			Dover Fire Brick Co., Cleveland, Ohio, 44 Mercantile Bank Bldg. C. S. Barrett, prest, and treas.; George H. Ganson, seey.; P. Arnold, ngr. Cap. stk. 800,000. Barrett, Tunnel, 1,500 tons. George Bohan, stpt.
			James T. Patton (local). Open pit, 2,000 tons.
Canal Fi Ry. 1	n <sup>u</sup> ton 171, 563, 5	Stark	Ridgway Burton Co., Massillon, Olno, J. P. Burton, prest, and treas.; D. Johns, seey. Cap. 8tk. \$30,000. Hern Brook. Shaft, 37,500 tons; steam. Wm. Crookston, supt.
Canton Ry. 1	73, 563, 1		H. S. Belden, 148 S. Market st. Orchard Hill. Slope, 6,000 tons: steam.
		**	S. D. Price, Cap. \$2,000. East Hill. Slope, 4,000 tons, horse, S. L. Jenkins, supt.
		**	Christian Warstler, Oberlin. Slope, 1,500 fons; water. Chas, L. Warstler, supt.
Carbond Ry. 4		Athens	P. J. Beckler, Cap. \$5,000. Trace Run, Tunnel, 6,000 tons; horse,
Carbon Ry. 1		Hocking	Columbus & Hocking Coal & Iron Co., Columbus, Ohio, Board of Trade Bidg. J. O. Moss, prest.; S. A. McManngal, seey.; W. J. Redungton, trens.; R. H. Johnson, vprest, and gen. mgr. No. 21. Draft 56,000 fors, Steam, force, Van Furguson, supt.
Carrollte Ry. 1		Carroll	Franklin Coal Co., Cleveland, Olno, 892 Society Savings Bidg, Z. Doll, prest, and mgr., C. W. Baine-seey, F. K. Moore, treas. Cap. 8tk, 825,000, Scott. Open pt. 40,000 tons, horse, Trym Baysinger supt.
	ille O. Thur k Hill 4:	man) Ry.	Thos E. & E. D. Evans docal). Tunnel, 600 tons, hand. Thomas E. Evans, supt.
**			D. D. Morgan (local). Cap. \$2,000. Open pit; hand.
Cliuton Ry	42, 169, 5	Summit 63,	Fox Lake Coal Co., Cleveland, Olno, 56 Western Reserve Bidg. J. P. Barton, prest.; E. E. Barney, seey, J. B. Zerbe, treas, and mar. Cap. sik. 850,000. Clover Hill. Shatt, followtons; steam. John Feather stone, supt. Messenger. Shatt, 150,000 tons, steam. George J. Huber, supt.
Coaldale			Geo, & S. E. Porter (local). Tunnel, 1,500 tons. hand.
Coal Gr			Philip Carey (local). Tunnel, 3,600 tens, hand.
- Ry. :		**	John Peters ir. Cap. \$40,000. Coal Grove. Tunnel, 20,000 tons; horse. C. Palmer, supt.
Coalton	156, 535.	Jackson	Euckeye Coal Co. M. Kisinger, mgr. Cap. \$13,000. Drift, 10,000 tons, horse,
			Gosline & Barlow, Toledo, Ohio, 422 Madison st. Victor. Slope, 50,000 tons; horse. T. J. Evans, supt.
			John F. Hall, Cap. 88,000. Coalton. Slope, drift, 24,000 tons; steam. N. Cameron, supt.
			Hippel Coal Co., Cap. 8tk, 840,000. Hippel. Slope, 40,000 tons; steam. W. D. Hippel, supt.
			W. A. Jones, Garfield, Open pit, 400 tons, horse,
		**	Poling Coal Co., Dayton, Olno, H. J. Poling, prest. Cap. stk. \$10,000. Timnel, 12,000 tons; horse. Win Ellis, supt.
			Southern Ohio Coal & Iron Co., Dayton, Ohio, 302 E. Third st. A. A. Thomas, prest,; W. L. Cafen, seey treas, and mgr. Cap. 8tk, Saradoo. Tunnel, 6a,060 tons, steam, horse. F. D. McKimnss, supt.
t oleman Rv.		dumbana	New Lisbon Mining Co., U. C. Hatch, prest., W. H. Warner, treas.; Thomas Prosser, mgr, and supt. Cap stk, 85,000. Coleman. Slope, 25,000 tons; steam.
			Umon Fire Clay & Stone Co. (), Coleman, prest., C. S. Coleman, seey., trens, and mgt. (Cap. 8tk. \$10,000 Coleman) Tunnel, 3,000 tons, hand. J. T. Grubilis, supt.
Conesyr Ry, 17	He 3, 584.	coshocton	David Davis, (ap. \$40,000, Conesville, Tunnel, 66,000 tons, horse,

Ry, 153, 584,
ongo Pickaway Congo Coal Mining Co., Columbus, Olno, H. D. Turney, prest; T. W. Guthrie, seeg., G. S. Beeson, treas;
Thomas Corcorain, ingr. Cap. 8th, 8250,000, Congo. Shatt, 300,000 tons, electricity. Thomas Corcorain, supt.

Connelydle Muskingum Columbus & Brish Creek Coal Co., Columbus, Olno, H. S. Maynard, prest., B. L. Maynard, seey, and (P. O. Dellou Ry, 182). Treas. Cap. 84k, 20,000. Brish Creek, Slope, 6000 (1008) force. Brice Manck, 80h.

Corning ... Petry Runday Creek Coal Co., Columbus, Ohio, Board of Trade Eldg. J. S. Morton, prest, J. F. Stone, seey, and treas.; J. E. Martin, mgr. Cap. 8tk, \$4,000,000, Sunday Creek and 3 others, Shaft, 500,000 tons, steam, Fred Miller, supt.

Corwin Jackson Tom Corwin Coal Co., Dayton, Olno, 235/8, Ludlow 8t. S. J. Patterson, prest. (H. J. Dreese, sery., J. A. Murphy, trens., J. W. Lowe, v.-prest. (4p, 8tk, 80,000, Tom Corwin, Shaft, 58,332 fors, 8team, William E. Davis, supt.

Coshocton C. L. Cassingham. Cap. 815,000. Trimnel, 5 (000 tons), horse, Ry, 17 (184) — Diagnond Coal) O. A. W. Cassingham, prest, C. L. Cassingham, seey., treas., mgr, and supt. Cap. 8tk., Squ.o. Domaind Deat, 45,000 tons, horse,

# COAL-BITUMINOUS-CONTINUED

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL DREAGERS, WASHERS, OKE OVERS, AND NAME OF MINE SUPPRINTEMENTAL.
Town AND COUNTY.	
Coshocton Coshocton (Continued.)	Wm, G. Hay. Cap. 812,000. Tunnel, 30,000 tons; horse. Charles West, supt.
	Thomas Leer. Tunnel, 225 tons, horse,
	Morgan Rom Coal & Muning Co., Cleveland, Ohio, D. Brateniahi Bidg. P. C. Goff, prest, and mgr., H. D. Demus, seey, and treas. Cap. 84k, 850,000. Morgan Rom. Tunnel, 20,000 tons. electricity. D. P. Jones, supt.
Coventry fwp Summit (P. O. Akron) Ry, 778.	Summit Bank Coal Co., Cleveland, Ohio, 121 Superior st. Isaac Newton, mgr. Summit. Slope, 20,000 tons, steam, James H. Burt, supt.
Ry. 181.	John Moreland docals, Cap, 81,500. Tunnel, 800 tons, hand,
Ry, 164, 182.	Star Coul Co., Shawnee, Olno, John Barlle, prest, and supt., James L. Baillie, seey., A. Gathinger, treas., R. W. Jones, ingt. Cap. 8th, 810,000, 8tht. Tunnel, horse developing.
	Zanesville Coa! Co., Zanesv'e, Oh.o. 42 N. Foarth st., O. F. Mck anev, poest ; F. E. Huggus, seey, J. B. W. Amsden, freas.   Cap. 8tk, 800,000.   Dr.H. horse.   Thomas Opic, supt. developing.
Cumberland Guernsey Ry, 55, 236,	M. B. Hunter, Slope, Wetons, hand,
Ry, 173.	S. Allen's Sons, Cleveland, Ohio, 11 Bratenald, Block. Full te No. 5. Tannel, horse, [T. Al. White, supl.
	Momreh Coal Co., Canton, Oho, McKarley B'ock, Mrs. Mary V'en, prest., J. A. Wann, seey, and treax, F. Ruchtl, mgr. Cap. 8tk, 85500. Monarch, Juneel, 9000 tons, steam. Schastan Shane, 8upt.
	C. M. Totten (local). Open p.t. horse developing).
Ry. 182.	Weaver, Getz & Co., Chicago, P.C., 247 Dearborn St. (Frank) n. (Sope, 150,000 tons), horse (W. U. Reeder, supt.)
Dillonyale Jetlerson Ry, sm.	Wheeling, Like Eric & Pattsburg a coal Co., Toledo, Olioc W. R. Woodford, passa. Downer Adams, seey and treas. Cap. 8tk, 81,000,000. Dated. Trainel, 155,000 tons. In sec. Goodge Atherton, 84,pt
Don Belmont Ry, Martin's Ferry 533, 565.	August Henschel. Open jot, abootons, horse
Doylestown Wayne Ry, 42, 503,	Scaletling, Maller & Co. Josia. — California. Duff, an offens, horse — Jacob Santro & supt
E. Fairfield Colmobiana By New Waterford 563.	Wm, Moore (local). Moore: Shaff, t.500 tors, horse,
F. Liverpool Columbiana Ry, 533, 563;	Faulk Bros, clocals—Cap, 84,000 - Dry Run — Funnel, 400 tons
F. Palestine Columbiana Ry, 565.	East Palestine Coul Co. A. Hacks, prest. A. W. Hicks, (teas, James Sethieburns), and scot. Capsikk,844,000, Carbon Hill. Druft, 75,000 fons, horse
	John Jones (local). Chamberlan Open pit, 720 tons (horse
	State Line Coal Co. (James Mollans, mgr.) Cap. 8tk (\$50,000)
	James Sutherm: Prospect Hill: Slope, 60,000 forms, steam. Coorg. D. Suther in scret
P. O. and Ry. Vinton Station 45.	Madeira Coal Co., Chilheothe, Olno, Madeira, Shart, Steam, John Hall, Supt.
Fairpoint . Belmont Ry, 592.	D. R. Bently (local). 360 (ens.
Flushing Belmont	Joseph Barly clocal . Open p.t. 50 tons.
Ry. (7).	Finshing to all to. Theories Taxton, prest, and mgr - Isaac D La 1 or seeven. The est of postkosporous Tunnel, longer tons (romanessed a.g., W. G. W. Liams, sept.
	Moses Stiff cloud. Junie's sections, horse
	Randel & Co., Cap. 82,000. To shank. Stope, 14,000 tons, horse of islant.
	Columbus Coal & Manua Co., 54 N. High st., U.N. Bathes, prest, treas, and angle, C. T. Bathes, society, stk, 855000. Franklan, Tunnell, 348 3 tons, horse, T. Bathes, so pt.
Rv. 584	T. J. Buchaman, Joeal . Traceysoning Open put, 2,354 Curs. Land
	Chicago & Ohio Con & Car Co., Chicago, P., 10to Chambel of Commerce 1972   S. H. Galves, best T. C. Plutti seep and track J. W. Preed, mat. Cap 84k, 84 open, Green Pool. Sop., 100 see 2 us steam. Thomas N. Black, 8504
trian Roy Angleson Ry, 156, 585	Ada Corl Co., Ira A. Sternberger, prest and genomer, [1, 1], by glif, v. prest [A. D. Jones, seed on a treas. Cop. stk., \$5000 - Ada., Shatt, 5000 tons, steam
	$\label{eq:constraint} Jones & Morgain. (Cap. 8th, 825000). Soper 21.494 forms (steam). (D. L. Jones, 8) pt.$
	Northern Coal Co. M. E. Morgan, seev. Moses Morgan, Peas, D. C. Jones, mgr., Co. S. 600, Northern, Shaft, 27,80 (fors. steam, John M. Morgan, supl.
	Slandard Coal Co. M. E. Modzan, seey., Moses Morgan, Reas , D. C. Jones, mgr. Cap. d. 825,000 Standard, Shatt, 12,305 tons. Steam. D. L. Jones, supt.
Gooster Athens	Sedaha Coaf Co. A. I. Hatti se v. and freasi, Win Palmer, mate Cope statistics (see Sec. ). Open pettions steam
Gore Hock ng	Band Don Co. Toka' – F. B. Bard, prest , $\Gamma$ B. McL' Home so $v_i$ C. B. B. $v_i$ = to $i=1,  i  m^2$ , good tools. Hore

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### COAL BITUMINOUS (CONTINUED)

RAILWA	LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2:00 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.
Town	AND	COUNTY.	

Gote . . Hocking todambas & Hocking toda & Iron to., Columbas, Olno, Board of Trade Eldg. J. O. Moss, prest.; S. A. McMangal, seey., W.J. Redington, frence, R. H. Johnson, v.-prest, and gen. mgt. Nos, 33 and 35. Drift, 120,000 todas, steam, horse. A int Furguson, supt.

Green Mahoning David Coy (local). Sears. Slope, 3,000 tons; hotse, P.O. and Ry. Salem 563.

Green Sammit Joseph Whithear (local). Cap. \$1,000. Drift, 700 tons. horse, P.O. Inland: Ry.

Greentown 778.

Greentown Stark Lewis E. Smith. Cap. \$10,000. Summit Hill. Draft, 20,000 tons, horse. Pet a Deerolf, supt.

Ry, 778.

Guiltord Ca'umbrina Nelson Bronson, Cold Run, Slope; hotse, C.O. Bucks) Ry, New Li Joon 150, 586.

Hamley Run
Ry, 181.

Athens Chicago & Ohlo Coal & Car Co., Chicago, 12., 1046 Chamber of Commerce Bldg. S. H. Graves, prest., F. C.
Ellioft, seey, and treas., E. M. Luce, mgr. Cap. stk. 8430,000. Hamley Run. Shaft, 100,000 tons, steam,
Thomas V. Back, supt.

Hanging Rock Lawrence Means, Kyle & Co. E. B. Willard, prest, James Ball, seey, and treas. Hugh Shields, agr, and supt. Ryanghan.
 Hank's Annon Keck A Stevenson. Cap. 5th, 850,000. New Cardie, Tunnel, 2000 tons, horse.
 E. W. Keck, Supt.

Hawk's Vinton Keek & Stevenson, Cap. \$3,000. Star No. 2. Tunnel, 2,900 Jons. horse, E. W. Keek, supt. Ry, 181.

Hendock Ry, 182, 344. Perty columbus & Shawnee Coal Co., Columbus, Oh o, Canton Bidg. C. G. Kearn, prest, and supt.; C. C. Collins, seey, and treas. Cap. 8tk, 855,00. Hendock. Slope, 77,000 tons, steam.

Henking Ry, Chesh re 181, 344.

Gallia C.A. Carl's Sons. Cap. 8tk, 855,00. Carl. Dr.it, 17804 tons, horse. H. V. Carl, supt. Ry, Carl Supt.

BY, Chesh re 181, 344, 263.
BY, Chesh re 181, 344, 263.
BY, Chesh re 181, 344, 263.
Countright, K. Sper & Co., Columbus, Oh.o., Rooms 3 to 7 Clarton Edg. Shatt. 2 0,300 tons, steam. D. C. Ry, 765.
Thomas, supt.

Hopewell Muskaugum Frank Dack (local). Tunnel, L600 tons. hand Ry, Zamesy Pe, 42, 55, 164, 109, 176, 184, 84.

S. R. Porter (local). Cap. 88,000. Tunnel, 7 or tore, hand.
 Howenstme Ry, 75.
 Sark Relgway Eurton to, Massellon, Oline. J. P. Button, post, and treas., D. Johns, seey. Cap. 8tk, 830,000.
 Willow Spring. Slope, 23,000 tons, horse, Edward Jones, sapt.

Hubbard Trumbul! P. Jacob & Son. Youngstown, Oh.o. P. O. Boy 272. Jacob. Shatt, Steam. Orrin Jacob, supt. Ry, 383, 563.

Irondale Ry, 563.
 Ironton Lawrence Reliont from Works Co. John G. Peebles, prest. S. G. Gilulian, Seey, and freas., B. H. Barr, y-prest. and gen, mgr. Cap. stk, 865,000. Reliond from Ry, 153, 563.

Joe Gellen, Tunnel, 5,000 tons, hand.
 James Allen Richey, 307 S, Third st. Cap. 85,000 local. Tunnel, 10,000 tons, hand.

W. U. W. Pson, 44 W. Fifth st. Cap 84,000 beab. Tunnel, off tons, hand.

Jackson Jackson Chapman Coal Ce. H. L. Chapman, prest, and mgr., C. J. Benton, seey. Cap. stk. 800,000. Grace, Chapman, Springheld and Jothers, Sope, shatt, tunnel, 125,000 fours, steam, John E. Hayes, supt.

"Imma Coal Co. Ed. H. Zuthees, prest., Jalwin Jones, treas, mgr., and supt. Cap. stk. 850,000. Emma, Shatt, 54,000 fours, horse.

Globe Fron Co. Elien Jones, prest., J. E. Jones, seey., Elias Crambill, gen. mgr.; L. T. Murfin, mgr. Cap. 84k, 85.500, Globe, Buron. Shatt, 5000 tons, hand.

Cap, 84k, \$33,000. Globe, Huron. Shaft, 50,000 tons. hand.
 Coshne & Barlow, Toledo, Ohio, 422 Madison st. Price. Slope, 40,000 tons. horse. W. H. Owens, supt.

\* Jackson Hill Coal Co., Ed. H. Zurhorst, prest., W. E. Keenan, seev., Edwin Jones, treas, and mgt. Cap. stk, 850,000. Jackson Hill. Dr.R. 21,60 (1018), horse. John D. Kiehards, supt.

\* McKitterick Bros. Cap. \$15,000. Slope, 15,000 tons, steam. James Harper, supt.

Olino Conf. Co., Tra. A., Sternberger, prest, and mgr., H. S. Willard, seey, and treas. Cap. 8tk, 820,000 Olivo, Slope, 20,000 forms, steam. N. M. White, supt.

" Price Bros. Cap. 85,000. Dr4t, 4,000 fons. horse. J. E. Price, supt.

J. N. Smpson, Cap. 81,500 Open pt, 50,000 tons, hand,

Star Pinnace Co. B. Kalin, prest. Charles O. Brown, sery., J. V. Brown, in2t. Cap. 8tk, 860,000. Star No. 2. Shatt, 2500 (tors.) steam, compressed at a Henry Press, supp.

Jeddo Jetterson D. O. Pandley (beat). Tunnel, 6250 tons. Ry 475.

[22] D. A. Moreland docals. Open ph. 490 tons, hand.

Jordon Jackson Southern Ohio Coal & Iron Co., Dayton, Ohio, arg 1. Third st. A. A. Thomas, prest. W. L. Cafen, seey, Ry We<sup>40</sup> for log Fry Vol. — and treas. Cap. 8th, 8500,000, No. 9. Thene', 1990 for s., horse, R. D. Thomas, supt.

Junetanit ity . . Perry John Green. Cap. 82,000 docal . Tunnel, sectors, hand Rv. 42, 164, 565

" Jerome Rowe Jocal - Tunnel, 320 tons, hand

K than ing . . . . Hock ing . Raccoon Coult to . L. A. Culver, prest, and frems . G. C. We tze<sup>10</sup>, seey , ing. . . n.l. supt. Cap. stk. 8204001. Raccoon. Tunnel, O. Otton. . steam, horse

## COAL-BITUMINOUS-(CONTINUED)

		COAL-BITCMINOCS-COMMON
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, annual Output in Tons of 2,000 Pounds, Kind of Powee Used. Coal Breakers, Washers, Coke Ovens, and Name of Mike Superintendent.
Town AND	COUNTY.	COAL BREAKERS, WASHERS, COAE OVENS, AND NAME OF MINE SCIERINTENDENT.
Krumroy . Ry. 778.		C. H. Gregg (local). Gregg. Shatt, horse developing.
Lathrop Ry, 766.	Athens	Black Diamond Coal & Coke Co. Columbus, Ohio, Board of Trade Eldig, Robert W. Gilbert, prest, Milton Hopkins, seey., J. H. Earnshaw, treas, and mar. Cap. stk. 8500.00. Black Diamond, Tunnel: electricity, breaker, Jacoke owice, capacity 15,000 fors developing. James Fox, sup.
	**	McKinney Coal & Coke Co., Zanesville, Olno, 42 N. Fourth st., O. F. McKinney, prest, and mgr., F. E. Huggins, seey, and treas. Cap. stk. 8000,000. Slope, steam, developing. Thomas Opic, supt.
Laurelton Ry. Portlan 563,	defferson d Station	Wheeling, Lake Eric & Pittsburg Coul Co., Toledo, Olio. W. R. Woodford, prest. Downer Adams, seey, and Ireas. Cap. 8th, \$1,000,000. Lauteiton. Timnel, 150,000 tons, horse. George Atherton, supt.
Leesville Ry, 800.	Carroll	McCreary & Moore (local) - Ball. Open pit. 1,69 tons, hand, G.C. McCreary, supt.
**		A. Preston (local). Open pit, 600 tons, band.
Longstreth Ry, 181.	Hocking	Columbus & Hocking Corl & Iron Co., Columbus, Oliva, Board of Trade Bidg. J., O. Moss, prest., S. A. McManugal, seeg., W. J., Kolungfon, treas., R. H. Johnson, v-prest. and gen, mgr., No. 19. Drift, 60000 from, steam, electricity. Amf. Parguson, sipl.
Lyousdale Ry. 64.	Perry	M. Meenan, Cap. 89,000. Lyonsdate: Tunarel, 20,000 tons, horse
McArthur Ry, 181.	Vinton	Benjamin Newlan (local). Tunnel, 672 tons. horse.
McCimeville Ry, 12.	Perry	$eq:crawford_Gavet_Bros. & Co. Cap. 84,000. Eagle. Timnel horse developing - Win Gavet, support of the control of the $
McLamey Ry, 164.	Perry	J. H. Jones - Cap, 845,000 - Beech Grove, Tunnel, 25,749 tons, horse - George Savage, supt.
Malvern Ry, 175,		Pho my Fare Clay Co. C. A. Weaver, prest. E. Roberts, sery, and treas. Samuel Hodkinson, mgr., Cap., 8tk, 855,000. Pho my., Slope, 1,500 fors. hand.
Manchester (P.O. Vkron) 169, 42, 563	Summit Ry3 Initon 593	Brewster Coal Co., Akron, Olno, 900 S. Main 31. Alexander Brewster, presh., A. K. Brewster, seev. and Treas., A. A. Brewster, mar. Cap. sile 8100000, Tarkeytool, Shatt, 50000 fors, steam, John F. Wenchang, supt.
Martins Perry Ry, 171, 175.	Belmont	Gaylord coal Co. G. Filwards, prest. Theodore Snodgrass, seey, and trens., Jonah Jawis, mgr., Cap., 8tk, 820,000. Open pit.
Massillon Ry, 171, 585.	800),	Howells Coal Co., Anthony Howel's, prest and mgr., John C. Albright, seev., J. D. Wetter, treas. Cap., 8tk, 860,000. Anderson., Shart, 40000 tons., steam., Tvim J. Lyans, 8tpt.
••		T. G. Kranse & Co., cor. Sheriff and Prospect sts., West Mass, Jon., Shatt, Japonetons, Steam
**		Massillon Pigeon Run Coal Co. A. Howells, prest, and ingr. 47. 8. Howells, see V. J. D. Wetter, treas- cap, stk 8200,000. Pigeon Run. Shatt, (agovetons) steam. A. H. Owens, supt.
		John Moore, Bridgeport Tunnel, Livetons band
**		T pper Pigeon Run Coal Co. W. K. L. Watwick, prest, and treas. Reinhard. Kellet, seev., mgr., and supt. Cap. 8th, 860,000. T pper Pigeon Run., Shatt., steam. developing.
**	**	Warwick Coal Co., Reinhard Keller, prest, ingr. and supt., W. K. J., Warwick, seey, and treas. Cap., stk stoogoo. Warwick, Shaft, steam, developing.
**		Wheelang, Lake Frie & Piltsburg Coal Co., Toledo, Olno, Cherry St., W. R., Woodford, prest, Downer Values, see y, and treas. Cap. stk. 81,000009, Tortest. Shatt, 27, 95 tons. herse. R. H. Wannwight, stpt.
Middlepott, Rv. 18t. 314.	Meigs 553	Michael & Edwards (local) Diamond. Laine! horse
	**	Silver Run Coal Co., Silver Run., Dr. tt. (2000) tons., horse, A. Hysell, supt.
Millersbing Ry, 609.	Holines	Bilderback Bros. Joeal - Mcl (roy - 1 mine), 500 tons - hand
**		Carry & Unison Tocal . Shope, no octons
	**	John Chevalard, Cap. Storie Dr. H. horse
**		John Craft & Co., Cap. Soco., Open pd., hand
**		John Horn. Dunnet, 1,000 tons. band
		L. B. Skelly Open p.t. 1,350 fons., hand
Mmeral Point 1 Ry, 175, 778.		Brick Bros. Cap 81500. Tunnel and slope, (4,000 tons, steam, dolin Brick, supt
		Edward Ho'den, Cap, 850,000. Shaft, 65,000 tons, horse. Thomas Osborne, supt
		Olmo Conf Mining Co., Akron, Olmo, F. A. Seiberlang, prest. L. C. M.Jes, seey, and freas. T. W. Met. e., mgr., Cap., et al., Samoo, "Mineral Radge, Clover Delli, Aemie, Taninel, developing — George J. Mark- ley, sipl."
		Ridgway Farton to , Massillon, Olno, J. P. Barton, prest, and treas , D. Johns, seev. Cap stk, 8 9900. Huff Run. Stope, 56,200 tons, horse, J. J. Klein, supt.
Mineral Ridge Ry, 503,	Trumball	William Powers (local). Langam. Stope, 30 tons, horse,
Marine wille	A1	The David Country of National Country and the second secon

1.53

Mmersville M Ry, Pomeroy 181,

Meigs Eli Roush (local) - Futeka - Open pit, hotse 81.
" - John J. Williams (local) - Tunnel, 2000 (lons) hand

Mmerva Stark J. W. Shaw, Cap. 850. Rustic Mountain Tunnel, 480 tons, hand, horse John Miles 8 apt Rv. 173, 175, 376. LOCATION OF MINE,

## COAL BITUMINOUS=(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kinn of Mine. Annual Output in Tons of 2,000 Pounds, Kind of Power Used, Coal Breakers, Washers, Coke Ovens, and Name of Mine Superintendent.
Monday Hocking Ry, 181.	Somers, Coal Co., Columbus, Olno, 41 E. Town 8t. A. Brenholts, prest.; James O. Somers, seey, and treas. Cap. 8tk, \$90,000, Monday. Drift, 84,001 fons; horse, F. Williams, supt.
Mt. Pleasant defferson Ry, 809.	Wheeling, Lake Erie & Pittsburg Coal Co., Toledo, Ohio. W. R. Woodford, prest.; Downer Adams, seey, and Ireas. Cap. stk. \$1,000,000. Long Run. Tunnel, 155,000 Jons; horse. George Atherton, supt.
Murray Hocking Ry. 181.	Columbus & Hocking Coal & Iron Co., Columbus, Ohio, Board of Trade Bilg. J. O. Moss, prest; S. A. WeManngal, seey.; W. J. Redmaton, trens.; R. H. Johnson, vprest, and gen, mgr. Nos. 39 and 41. Drift, agron tons, steam, horse, Vint. Furnason, supd.
0	Greendale Furnace Co., Columbus, Olifo, V. M. C. A. Bldg. J. A. Long, prest.; H. F. Holloway, seey, and trens., C. H. Boardman, mgr. Cap. stk, \$25,000. Murray City. Slope, 200,000 tons; steam. John Hopkins, supt.
Navarie Stark Rv. 175, 174, 809,	Levi Hair. Tunnel, 240 tons, hand.
	Ridgway, Burton Co., Massillon, Olno, J. P. Burton, prest, and freas., D. Johns, seey. Cap. 8tk, \$00,000, South Massillon. Shaft, 30,500 tons, steam. Wm. Hardgrove, supt.
Nefts Siding . Belmont (P. O. Shields) Ry, 42.	
	Sutherns Mining Co. A. H. Davis, prest.: James Sutherns, treas., mgr. and supt. Cap. 8tk. \$10,000, Pleasant Valley. Drift, 75,000 tons, horse.
Nelsonville Athens Rv. 181.	Buckeye Coal Co., Geo, E. Hall, prest., Geo, O. Shoemaker, seey.; John Gmitty, treas.; H. A. Crippen, mgr., Cap. stk. 835,000. Buckeye. Tunnel, 75,000 tons, horse. John Gmitty, supt.
	Columbus & Hocking Coal & Iron Co., Columbus, Ohio, Board of Trade Bldg. J. O. Moss, prest.; S. A. McMangal, seey., W. J. Bedington, treas., R. H. Johnson, vprest, and gen, mgr. Nos, 15, 47, 27, 29, Drift, 180,000 tons, Steam, electricity.
	Hocking Valley Coal Co., Columbus, Ohio, 44 E. Broad st. E. A. Cole, gen. ingr. Cap. stk. \$200,000, Minkes Ruii, Hawkes. Tunnel, 200,000 tons, steam, compressed air.
	Johnson Hill Coal Co. Win, Myers, prest., Frank W. Poston, seey.; John W. Bennett, treas.; Win, Dalrymple, mgr, and supt. Cap. stk. 89,000. Johnson Hill. Slope, 30,000 tons; horse.
	J. M. Lama. Cap. \$6,000. Tunnel, 15,000 tons; hand.
	Last Run Coal Co. James Dew, prest., Charles F. Myers, seey.; C. H. Doan, freas., Joseph Slater, vprest, and gen, mgr. Cap. stk. 80,000. Last Run. Drift; electricity (developing). Wm. G. Halbert, supt.
	Nelsonville Sewer Pipe Co. (local). James Dew, prest.; C. II, Doan, secy, and treas. Cap. stk. \$25,000. Steam.
	C. L. Poston & Co. Cap. stk. Sp0,009. C. L. Poston, mgt. Green Brier. Drift, 150,000 fons; steam. Cal. Mellinger, supt.
	Springfield Coal & Jee Co., Springfield, Olno, 93 S. Limestone St. E. S. Kelly, prest., F. W. Ludlow, seey.; H. Voges, mgr. Cap. 8tk, 850,000. Springfield. Tunnel, 25,000 fors; horse. Thomas Jones, supt.
New Albany Mahoning (P. O. Salem) Ry Co- lumbus 42, 409, 470, 481, 482, 523, 585, 765.	George Godward X Sons (local). Tunnel, a fist) tons. horse,
	Clayton Hall (local). Cap. \$2,000. New Berlin. Slope, 740 fors, horse.
	Richard Warburton (local). Graham. Open pit.700 tons; hand.
New Comerstown Tuscarawas Ry, 174, 584.	Thomas Laughead. Tunnel, 250 tons, horse,
New Franklin Stark Ry, Woultrie 563.	Wm. Sommerville (local). Cap. \$8,000. Stope, 1,800 Ions.
	D. E. Davis, Cap. 81,000, Drift, 1,000 tons, hand,
	-Wales, Hammon & Collat. Nugent. Tunnel, 1,689 tons, hand. W. J. Ruddock, supt.
New Lisbon Columbiana Ry 503, 586,	Edward Broughton (local). Cap. 81,000. Tunnel, 1,500 tons; hand.
	P. March & Son. (cap. 86,00). Which, Tunnel, 4,100 tons, hand, H. A. March, Sopt,
	Sterling Maning Co., N. F. Wood, prest, H. D. Hileman, seey., W. H. Warner, Iteas, and mgr. Cap., 84k, 840,000 - Central Mine. Slope, 15,000 fors, Steam, Jos. Farmer, supt.
New Philadelphia Tusegrawas Ry, 171, 175.	Gashen Gail Co., Cleveland, Ohio, 253 Superior st. J. A., Bendler, prest, and treas., A. W. Brown, seey, Cap. stk. s100,000. Gashen. Drift, 100,000 tons. Steam. C. J. Brokenshire, supt.
	G. W. Mathias, Cap. \$15,000. Shipe, 2,000 tons, horse, hand. Ed. Mathias, supt.
	[4] S. Odbert & Co., Cleveland, Olno, Western Reserve Bldg, Cap. 8tk, 850,000. Odbert. Drutt. 225,000 tors. steam. John Price, supt.
New Pattsburg - Hocking (P O Blatchford) Ry 481.	New Puttsburg Coal Co., Columbus, Olno, I. and 12 Cluiton Ridg. Thomas Johnson, prest, and treas., G. D. Preston, seey., Edward Johnson, v. prest, gen. mgr, and supt. Cap. 8tk, \$100,000. Powell's Run. Dutt. You,000 Ions, Steam, compressed air.
New Straitsville Perry Ry, 181.	Columbus & Hocking Coal & Iron Co., Columbus, Olno, Board of Trade Bldg, J. O. Moss, prest.; S. A. McMangal, seey., W. J. Rodington, treas. R. H. Lohuson, Capitest and gen, mgr. Rock Run, Nos. 5, 7, 9, H. Lb, 37, 9.
	and the state of the barrier Branch Place Place Department Drift 50 500 fairs; horse David

Olno Coal Co., Columbus, Olno, Board of Trade Bldg. Black Dannond. Drift, 50,500 Ions; horse. David Wrams, supt.

Town

LOCATION OF MINE,

RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY.

## COAL BITUMINOUS-(CONTINUED)

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OCTIVIT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVERS, AND NAME OF MINE STREIMSTEINSTRI.

	•
North Industry Stark Ry, 778.	Wade Coal Co., Cleveland, Ohio, 11 Bratenahl Block, H. D. Dennis, prest.; John C. Allen, seey, and treas. Cap. 8tk, 87,500. Wade. Tunnel; horse, James Perkins, supt.
North Lawrence Stark Ry, Lawrence 563,	James Mullius & Sons, Wooster, Ohio, Cap. 850,000, Minglewood Nos, 1 and 2. Slope, shaft, 75,000 tons; steam. T. H. Elser, supt.
	Ridgway Barton Co., J. P. Barton, prest, and treas., D. Johns, sery. Cap. 8tk, \$30,000. Palermo. Shaft, 11,000 tons, steam. John Hodgson, supt.
North Lana Mahoning Ry, 156.	Adam Little and others (local). Spaidville. Shatt, 850 tons, horse,
	Damel Little & Son clocal). Vap. 85,000. Shaft, 800 tons, steam.
**	Solomon Paulm (local). Open pit, 1,000 tons, horse.
Oakdale Athens Ry, 182.	Somers Coal Co., Columbus, Oho, II F. Fown St. A. Brenholts, prest a James O. Somers, seey, and treas, Cap. 8tk, 890000, Sunday Creek. Shatt, 50000 fors, steam. F. Williams, supt.
	Elina Free Brick & Coul Co., John D. Davies, prest , Elias Morgan, seey., J. J. Jones, treas, and mgr., Cap. 8tk, 821,000. Elina. Slupe, 2800 (ons.) hand.
Olive Furnace - Lawrence	MeGugin & Co. (local). Ohye Furnace. Tunnel, 1,000 tons. W. H. Metagin, supt.
Ry, 156, Orbiston Hocking Ry, 181,	Raybould Coal Co., Columbus, Ohio, 17/19 Clinton Bidg. Samuel Raybould, prest, and mgr.; Frank A., Prendergest, seey., D. C. Postle, trens. Cap. stk. 86000. Slope, steam, electricity idevelopings. Win.
	Raybould, supt.  John Carinthers (local). Miller's. Dratt, 1,200 tons.
Ry , 173. Paimyra_ Portage	Hutson Conf. Co., Cleveland, Ohro, Room to Willshire Bidg. H. D. Hutson, prest, and mgr., H. D. Marble, seeg, and freas. Cap. 8th, 85,000. Nos. 1 and 2. Shafts, 50,000 four, steam. Thes. J. Williams, supt.
Ry. 376.	seey, and from: Cap.Stk, 85,000. Aos. I and Z. Shafty, 9,000 four, steam. Thes, J. Williams, supt. Palmyra Coal Co., Voungstown, Olno, H1/V Market St. Henry Wack, prest. Wilford P. Ames, seey., 1963, and large. A and E. Shaft, 50,000 fours, steam. H. E. Evans, supt.
	Treas, and mgr. A and E. Shatt, 50,000 tons, steam. H. E. Evans, supl. Charles W. Lewis. Allen. Stope, horse, developing .
(P O Algoriquin/Ry.528)	
Pike Stark P O and Ry. North Industry 778.	Wm. Shitz [cond]. Open pd. bottons [band.]
Point Pleasant Guernsey >P. O name Dysons Ry, 174, 236.	Cisco Manig Co., Cleveland, Olno, Western Roserve Eldg. W. R. Hunfunglon, prest. N. H. Foote, seev., and freas., H. S. Odbert, high - Cap sik \$25000 - Cisco. Shaft, 20000 lone steam. John Price, supt.
Pomerov Weigs Rv 181.	Coal Rulge Salt Co. M. R. Wells, prest , John M. Davis, seev., J. W. Thomas, mgt. Cap. 8tk, 825000, Coal Rulge, Tunnel, 13,168 form, horse. Daniel W. Daniels, supl.
	B. Kochler doral . Capes .000 - Excelsior. Tunnel, s, soctors, horse. Dan 10 chl, supt.
	Peacock Coal Co. N. Bengal, prest., Fred Ebersbach, seey and treas, Martin Ebersbach, mgr. Cap. 8th, 855,000. Peacock. Stop., 100,000 tons, horse. Win Thersbach, supt
Powhatan Point, Belmont Ry 563,	$\label{eq:schnegg} \mbox{A-Bros. (local)}, \ \mbox{Uap. $82,000-Schnegg.} \ \mbox{Shatt. aso fors. steam.}$
Quaker City, Colembey Rv. 12	Alex Cochran, Cap. 820,000 Tunnel, 75,000 tons, horse,
Radeliff Vinton Rv. 181.	John Rlore. Blore. Tannel, 80ctons, hand. H. C. Booth, supt.
	Columbus & Fastern Coal Co., Columbus, Olno J. F. Battis, prest, S. J. Flekenger, seey. James Cochran, freas. C. A. Dean, mgr. and supt. Cap. 8tk 8450000. Dtdt. 47,000 tons. horse.
	James Coyle & Son. Cap. \$5,000. Classiful Grove. Drut. (2,000 fors. horse, G. W. Coyle, supt.
	Crafty Coal Coc, Columbus, Ohio, Cap. 8tk \$20,000. Wallace. Drift, 25,000 tons, horse. Win, Wallace, supt.
	Davis Mining Co., B. J. Davis, prest, and supr. D. J. W. Hanns, seev. and freas., John M. Paylor, mgr., cap. stk, 84,000. Davis. Open pit, 25,000 fons, horse.
	Standard Coal Co., Co'umbus, Ohio, a Wesley Block, tot X, High St. D. Mathews, prest. Charles Ratzel, seey and treas. Cap. 8tk 8100,000. Umon No. 1. Open pit, 40,000 tons. horse. John Koppis, supl.
	Wallace tool Co., Columbus, Ohio John B. Hamilton, prest., Joseph Crafty, seey, and Ireas. Win. Wallace, mgr. and supt. Cap 8th, \$20,000. Wallace Shatt, 40,000 fors, horse.
Rendville Perry Rv 182, 765.	W. P. Rend & Co., Chicago, 111., 452 Mad son st. Sunday Creek No. 3. Shatt, slopes, steam, James McLaughlen, supt.
Riverton : Jackson Ry Wellston 43, 156, 535,	Riverton Coal Co. F. A. Hockett, prest, and fig. 1., d. i., Compething pr., seey, and treas. Cap. 8tk, 85000. Riverton. Tunnel, steam. J. J. Donahue, sapt.
Rogers Columbiana Rv. 586.	Quaker Vaffey Manng Co., Voungstown, Olio, 17 Public Spuare. Radph J. Wick, prest J. M. C. McNabb- ssey, N. F. Wood, Ireas, J. M. Wallet, mgr., Quaker, Draft, 5300 tons, horse, James Thempson 87, 80pt.
Romme , Muskingum (P. O. Carlwick - Ry, 55.	Diamond Coal Co., Conesville, Ohio, Cap. 85000, Diamond, Tunnel, drift, 50,000 tons horse, David, Davis, supt.
	O. F. McKinney, Zanesville, Ohio, 42 N. Fourth St. Oak Grove. Drift, 50,001 tons. horse and frind. 4L. N. Honk, supt.
	James H. Gellen (local - Trendway, 1940), 880 tons, hand,
Ry Coshocton 173, 584, Roseville Perry	Standard Coal Co., Columbus, Olno, 26 Wesley Block, 30( N. High St. D. Mathews, prest, Charles Entzel

Rossylle Perry Standard Conf. Co., Columbus, Olno, 26 Wesley Elock, 101 N. High St. D. Mathews, post, Charles Harzel Seety, and Treas. Cap. 84k Stonore Standard No. 2 Open pd. 8000 lons hors. L. C. H. Hards, 8400.

#### COAL-RITTALINOUS (CONTINUED)

		COAL-BITUMINOUS (CONTINUED)
LOCATION OF M RAILWAYS, WATER AND SHIPPING P	ROUTES OINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, annual Output in Tons of 2500 Pounds, Kind of Power Used, Coal Breakers, Washers, Coke Ovens, and Name of Mine Sufferintendent.
Town And	COUNTY	
8t. Clairsvillel Ry. 42, 171, 609.	lelmont	Black Diamond Coal Co. C. Troll Sons, proprietors. Cap. \$59,000. Black Diamond, 100,000 tons, horse, hand.
**		Olno & West Virginia Coal Co. C. Troll Sons, proprietors. Cap. 850,000. Olio and West Virginia, 100,000 tous, horse, hand.
Salem Colo	mbiana	Homer Dunn (local). Dunn. Slope, 6,000 tons, horse.
**		Howells & Ashmar (local). Cap. \$3,000. Greenamyer. Shatt, 3,000 tons, steam. J. K. Ashmar, supt.
**		Sheldon Parker (local). Parker, 300 tons, horse,
	**	Salem Co., Cap. 8tk, \$50,000. Slope. Wm. Dunn, supt.
**	**	Stephen Stone (local). Draft, 900 tons, hand.
Salineville Colu Ry, 175.	mbana	8, 8, Carnahan, Cap. 88,000. Empire. Open pit, 37,000 tons, steam, horse.
		T. P. Francis (local). Slope, 2,000 tons, horse.
**		H. H. Kirk (local). Drift, 3,000 tons. horse. A. D. Fotheruigham, supt.
Sandrun, 1 Ry, 181	locking	Columbus & Hocking Coal & Iron Co., Columbus, Ohio, Board of Trade Bldg. J. O. Moss, prest; S. A. McManngal, seey., W.J. Redlington, frens., R. H. Johnson, vprest, and gen, nur. Nos., 21 and 37. Drift 120,000 tonis, "steam"; electricity.
Sarahsville Ry 55.		J. H. Voung. Cap. 8800. Raccoon. Tunnel, 2,000 tons. horse. Levi Vandyne, supt.
Serlover Mus (P. O Plulo) 533.		Zanesville Coal Co., Zanesville, Oluo, §2 N. Fourth St. O. F. McKinney, prest, and nga., F. E. Huggans seey., J. B. W. Amsden, treas. Cap. stk, Stoarro. No. 7. Open pit, 55,500 tons. Thomas Oper, supt
Shawnee Ry, 42, 482,	Petry	Columbus & Hocking Coul & Pron Co., Columbus, Olno, Board of Trade 19dg. J. O. Moss, prest., S. A. McManngal, seey., W. J. Rodington, treas., R. H. Johnson, vprest, and gen, mgr. Nos. 31 and 35. Drift 120,000 tons, "steam, electricity."
	**	Gosline & Barlow, Toledo, Oino, 422 Madison st. Furnace. Slope, 100,009 tons; steam. J. P. Merediffisupt.
		J. H. Hazelton. Rock Run. Tunnel, horse.
**		New York & Perry Coal & Iron Co., New York City, 2 Wall st., New York, Tunnel, drift, 450,000 tons steam. Samuel W. Butt, Supt.
		Shawnee Valley Coal & Iron Co., Newark, Ohio, John C. Hamilton, prest., L. J. Johnson, seey., Jame H. Smith, treas., Thomas Phillipe, nigr. and supt. Dr.H. 140,000 tons, steam.
	**	41. D. Tarney & Co., Columbus, Olno. H. D. Larney, prest., T. W. Guthrie, seey., G. 8. Beeson, freas. Thomas Cocoran, mgr. and supt. Cap. 8tk, 8250,000. AVX. Drift, 200,000 forms, hand.
Sherodsvelle 1(v. 475, 800	Carron	Upson Coal Co. Upson. Tunnel, 125,00 tons, hand, hose, steam, electricity. R. E. Wiffmans, supt. Fuller Coal Co., Toledo, Olico. O. W. Paffer, prest., James Met lean, seey, and treas. Nos. 2 and 3. Tunnel, 125,000 tons, steam, hose, R. H. Waimwright, supt.
`		Somets & Wamwright, Cleveland, Olao, 8 Enclid av. Cap. 825,000. No. 4. Slope, 5,200 tors, steam. Fran Melntosh, supt
P. O. Beloite	alion ng Ry 156.	·
Steabenville J Ry, 175, 584, 80	effetson 9	Jenerson Coal & Iron Co., Win, P. Hays, prest., Geo, W. Metook, seev, and mgr., Win, Stanton, treas Cap, 8tk, 850,000. Bustatd. Shatt, 45456 tons, steam. John Keally, supt.
**		Stenbenyille coal Mining Co., R. Sherrard it , prest., George W. Met'ook, seey, and treas . Win, Smirth waite, mgr. and supt. Cap stk. 850,000. Shaft, 60,000 tons, steam, 6 coke ovens, capacity 1,000 tons.
	e Belment	H. L. Wilson (hearly, Cap. 85,000, Wilson Open pit, 5,000 tons, horse, Robert Clark (local). Slope, 60 tons, hand.
Ry, Franklin	42.	Owen Meelian, Cap. 830,000. Franklin, Tunnel, 65,000 tons, horse, W. T. Smith, supt.
Syracuse	Mens	Sympose Cord X Salt Co., Ralph Cheney, prest., P. W. Robbins, seey, and treas., L. H. Bridgeman, mg
Ry 553 Tallmadge	Smornit	Cap. 8tk, 800,000 Syraense Shatt, 52,500 lons, steam, horse, "Adam Duckworth, 8upt W. L. Thomas & Son. Cap. 8tk, 842,000 Farryiew, "Shatt, 5,000 tons "Steam, "W. L. Thomas, supt
Rv. 505 Thurman Ry. Oak Hitt	Gattin	D. D. Morgan (local) - Open pit, 500 tons, hand.
Trimble Ry .44.	Athens	Crescent Coal Co., Columbus, Olno, Roard of Trade Bldg. L. R. Doty, prest., A. O. Manck, seey, an treas, Cap etk, Slowcon, Crescent, Shatt, 200,000 tons, electricity, steam, S. F. Knox, supt.
	sea (a) v a s	
		<ul> <li>Nicholas Hert, Cap. 842,000 Almeral Ridge: Open pit, 20,000 tons, horse: A. Stuber, supt.</li> <li>C. P. Minnich: Cap. 810,000, Mt. Carbon: Tunnel, 10,000 tons, hand. Bennet Minnich, supt.</li> </ul>
Uhrichsville, Tur Ry, 171, 584.	semawas	Diamond Fire Clay Co., James Ball, prest., J. M. Cooper, seey., treas, and mgr., Cap. 8tk 825,000. Di-mond. Tunnel, 7,000 tons., horse, George Ross, supt.
		D. Dunlavey local). Drift tooctons, hand

 John W. Fetter (local). Cap. \$1,000 - Fetter. Open pit, 650 tons, hand. Phenezer H. Gowin (local - Frint Hit! Open pit, band.

## COAL BITUMINOUS-(CONTINUED)

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL PREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT AND COUNTY Town

Uhrichsville, Tuscarawas, Jacob Huston (local), Cap. \$5,000. Huston, Open pit, 550 tons, horse, (Continued.)

- John M. Smith Jocala: Scott, Drift, 1,440 tons, horse,
- Uhrjehsvi?e Fire Clay Co., W. B. Thompson, prest., 4, J. Tvans, seey., George Beck, treas. Cap. 80,000, 850pc, 800 tons.

Utter Albeus, Federal Va'ley Coal Co., New York, N. V., 41 (beys). Charence Stephens, prest., Samuel Snow, seey.; Melyin Stephens, treas. Cap. 84k, 84,00000. Federal Creek No. 2. Funnel, 30,000 (bus), horse; breaker, wishelt, 125 code overs, capacity 5,000 (bus). N. W. Musgrave, supl. Ry. 766.

Vienna Ry, 506, Trumbuff Home Riock Coal Co., Youngstown, Ohio, Late Hormebeck prest, James Davis, seey, and treas., John Brunswick, mgr. and supt. Cap. 8th 81,000 Slope, steam obeycloping.

Medina Akron Coal Co., Akron, Oldo, 112 S. Howard, st., H. L. Loomis, prest, and ingr., James P. Loomis, seeyand treas, "cap sik \$50,000, Story Hidge, Slope, 00,000 tons, steam," V. Gerstenehlager, supt. Wadsworth Ry. 503

Card & Barrett Coal Co., Cleveland, Ohio, 44 Fuelid av., Cap. 820,000, No. 4, Fidorado, Slope, Shatt, 67,174 fons, Steam, O. V. Dibble, supt.

W. B. Coleman. Baser Stope, 7,000 fons, steam, A. Jordan, supt.

Exercisor Maning Co., John J. Wagon, prest, and treas., C.F. Wagon, seey, and mgr. Cap. 8tk, 850,000. Exercisor. Slope, 100,000 tons, steam. Win Lydard, supt.

Wakeup All Ry, Broadwell 766 Athens, J. R. Wickham, Stope, 300 tons, horse,

Washingtonville

Cherry Valley Iron Works, J. H. Keng, prest., S. E. Wocker, seev. C. M. Schmick, trens. Cap. 8tk, 8250,000. Cherry Valley. Stope, 120,000 (long. steam). Columbrana Ry. 503.

Fair View Winnig Co., Vonigstown, Ob.), 114 N. Market st., W. H. Warner, prest., Wilford P. Anies, seey., treas and nigt. Cap. stk. 85,000. That View. Sope, 26,000 tons. steam. John Hilleman, supt.

Walter & Ferris coal Co., Youngstown, Ohog 17 Public Square of M. Terris, prest, and trease, J. H. Streeter, scey., J. M. Walter, mgr. - Drift, 5000 cotons, steam, horse - James Thompson st., mgr.

Waynesburg Stark General Passet Joean Commission Commissions and January States By 17

Wellston Ry, 42, 156, 555

4) ZirCoult o Dayton, Object 5.8, Unicensity 8, J. Patterson, presty G. O. Richardson, serv. D. Armstrong, treas adolar James, inc.) Cap. 8th, 850,000, 42 at 8 catt, 2008 (one, steam.)

Fluhart Coal & Managaro, T. B. Boyd, prest, A. L. Holcomb, socya, John J. Roberts, freas. Then, Eu-hart, Ingl., Cap. 8th, 8 90,000. Shaft, 19 000 fours, steam

Southern Objection A from Co., Davton, Object, Science A. V., Thomas, prest., W. L. Caten, seey., Hens, and maj. (Cap. stk. Sounes, No. 7). Slope, Legal tons, steam. After Stift, supt.

Superior Coal Co. M. S. Stanberger, pt. st., H. S. Wallard, seev, and mgr. - Cop. stk. steeped. Shatt, steam hotsi

Waanwright Coal Co., R. H. Waanwright, prest., D. J. Horry, migrand supt., Cap. stk. 875,000. Wain wright. Shaft, 150,000 fors, steam.

Wellsville Columbiana CB Weaver local Cup Soon Trained, toportons hand A I Weaver, supt

Stern Stat. Summet D. P. Davis (66a): Stope, 2000 tons, horse, Ry. Akton 42, 169, 56; 582, 502, 57 Western Stat

W. Lattayetti Coshorton Benedic W. James Joseph Bardy Rein, Lung. 1990 for School. Tay is a

Yorky the Ry 175.

Malion ing Witch Har et out to a 14 N. Macket St. Henry Wiele, prof. Witro CP. Ames, so we treas and ingress, 50. . Witch Har 2. Shatt, 1970 tons, a ann. Our of Jacobs, supt. Youngstown

Almon Zalesk vo. W. J. McCutek prest. Amos Surth, so vicinetreas. Rebett Thompson, mgr. Capesta Statistics, Zalesk. Dr.tt. 5500 pms, horse. J. L. Watkens, supt. Zabiski Ry 45.

Zamesvelle Muskenguro Jame II Alexander Joeal Open pit, 960 tons, band

Ry 42, 173, 565, 160, 182,

Bradewe L& Barton, 265 L. Pike st. (Sop. , +00) fors, hand (George Jones, supt.

J. A. Detembeck, Cap. 810,000. Clak View. Tunnel 4,000 tops, horse. Thomas Touris single

Theo Dietz foral Slope, 35 tons

John German closal - Tunnel, 2000 tons, hand - George German, supt.

toro H. Harper closal - Open p.t. 1,80c tons, horse,

Thomas Potts, 67 Adams st., local ... Junio !, 1,500 tons, hand.

Wm A Werner, or Lighth St. Royal Corp. 88,000 Tunnel, 14,000 for s. Lamo Changes Foot Supt.

Luscatawas, Win, R. Jones, Cap 88,000, Lagfe H.9. Tunnel, Highertons, horse Try 174, 175, 800

Zont Society Social - Tunned 75 tons bound

### COAL CANNEL

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED. COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

O. Young Coal Co., Cleveland, Olno, 725 Society Savings Bldg. Cap. stk. \$60,000. Camp Creek. Shaft, 50,000 tons, steam. Joseph Collier, supt. Pigeon Run Stark Ry, Massillon 471, 563. Stark

Pinkney Cannel Coal Co., Cleveland, Ohio, 565 Western Reserve Bldg. 4, B. Zerbe, prest, and treas.; E. Barney, seey. Cap. 8tk, \$50,000. Warsaw. Drift, 40,000 tons, horse. W. G. Jones, supt. Warsaw Coshocton Ry. 169,

### FIRE CLAY

Location of Mine or Bank, Railways, Water Routes, and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

AND COUNTY

Canal Dover Tuscarawas | Dover Fire Brick Co., Cleveland, Ohio, cor, Bank and Superior sts. | C. S. Barrett, prest, and treas., G. H. By, 471, 475. | Ganson, seey.; P. Arnold, mgr. | Cap. stk. \$100,000 | Barretts | Tunnel, 30,000 tons, hand. Stark Canton Brick Co., H. S. Belden, prest., J. L. Higley, seey, and treas., Peter Miller, mgr., Shale clay.

Canton Ry, 173, 585, 778. Coleman

Columbiana: Union Fire Clay and Stone Co., C. Coleman, prest.; C. S. Coleman, seey, and treas.; Wm. Douglas, mgr., Cap. stk. \$10,000. Coleman. Tunnel, 17,000 tops. steam. J. T. Griffiths, supt.

Ry, 503,

Cuyahoga Falls - Summit Camp & Thompson, Cap. \$100,000. Open pit, 18,000 tons; wafer, steam,

Rv. 169, 592.

E. Palestine Columbiana State Line Sewer Pipe Co., James Mullins, prest.; Robert F. Taggart, seey, and treas.; Hugh Laughlin, Ry. 553.
Ry. 553.
State Line, Score, Specific State Line, Slope, 50,000 tons, steam.

Empire Ry. 175.

deflerson Congo Fire Clay Co. B. U. Wilkinson, prest, and mgr.; Thos, Wilkinson, seey, and treas. Cap. 8th, \$30,000. Congo. Slope, 800,000 tons. Minor Fire Clay Co., Tunnel, 8,000 tons; horse,

Jefferson Freeman Fire Clay Co. C. A. Freeman, prest.; J. M. Freeman, secy. Cap. 8tk. \$80,000. Tunnel, 15,000 tons

Ry, 175, Greenford Ry. 503.

Mahoning Greenford Fire Clay Co. Cap. stk. \$5,000. Slope, 2,000 tons; steam. Hocking Haydenville Mining & Mannfacturing Co., Charles H. Hayden, prest.; J. W. Jones, secy., treas, and mgr. Cap. 8tk, \$40,706, Mingo, Open pit, tunnel, 65,000 tons, steam.

Haydenville. Ry. 181. 1rondate

Jefferson Wm. Lacey, Cleveland, Olno, 77 and 79 River st. Cap. 8tk, \$100,000. Lacey, sandstone and fite clay. Shaft, 18,000 tons, steam.

Ry. 563.

Lilly Scioto R. H. & G. C. Cook, Cap. \$5,000. Enterprise, Slope, 6,500 tons, steam, R. H. Cook, supt. Rx, Gephart 43.

Hocking Joe Bartholow, No. 6. Open pit, 10,000 tons. Logan Ry. 181.

Magnolia Carrol (Not a. P. O.) Ry, 175.

Carroll, Beatty Fire Clay Co., Canton, Ohio, W. M. Beatty, prest,, mgr. and supt., J. J. Whitacre, secy. and by, 175. treas. Cap. 8tk, 800,000. Beatty. Tinnel, 8,000 (ons. horse.

Malvern Ry. 175. Carroll Malvern Clay Co., John H. Wilson, prest., George H. Affer, seey., treas, and mgr. Cap. 8tk, \$6,500, Malvern, Slope, 20,000 tons, horse, Peter Reich, supt. Phoemy Fire Clay Co. C. A. Weaver, prest., R. Roberts, seey, and treas., Samuel Hodkinson, mgr. Cap. 8tk, \$75,000, Phoemy, Slope, 990,000 (ons., steam, John Connor, supt.

Stark Massillon Stone & Fire Brick Co., Pittsburg, Pa., 933 Penn av. R. P. Duft, prest., Wm. G. Hepp, seey, and mgr., E. A. Kitzmallen, treas. Cap. stk, \$80,000. Tunnel, 25,000 fons, steam.

Massillon Ry, 171, 585, 809, Maxville

Perry L. M. Butt. Tunnel, hand.

Ry Winona Furnace 181

MineralPoint, Tuscarawas, C. E. Brothers (local). Open pit.

Ry. 175, 778.

Summit Myers & Hall, Fire clay, 5,000 tons.

Mogadore lty, 173.

Navarie Struck

Mt.Vern'nFurn,Lawrence Campbell Iron Co., Ironton, Ohio, J. H. Moulton, prest., H. H. Campbell, seey, and freas., J. W. Camp-d' O.Campbell Rv, 156 — bell, mgr. Cap, stk. \$100,000, Mt. Vernon Furnace. Open pit. 6,000 tons. hand.

Ry, 173, 809, Nelsonville Athens

Akton Fire Brick Co., Akron, Ohlio, 105 Bank st., C. A. Allison, prest., B. M. Allison, secy., freas, and mgr. Cap. stk. \$50,000. Navarre. Slope, 5,000 tons, hand. Nelsonville Sewer Pipe Co., James Dew. prest, and mgr., C. II. Doan, seey, and treas. Cap. 8tk, \$25,000. Tunnel, 45,000 tons, steam,

New Lisbon (Columbiana Keystone Fire Clay Co., Fred H. Pritchard, prest, and mgr., Willis Jordan, seey, and treas. Cap. 8tk. Ry, 503, 586. \$55,000. Keystone, Tunnel, 15,000 tons, horse, John Gillis, supt.

Portsmouth. Ry, 42, 165, 528, 539,

Scioto Scioto Star Fire Brick Works, E. E. Greene, prest., R. A. Mitchell, seey, and mgr. Cap. 8tk, \$68,000, 29, Tunnel, 15,000 tons.

Sandy Luscarawa . P. O. and Ry. Mineral Point 175, 778.

Luscarawas Edward Holden. Point Savage. Tunnel, 5,000 tons. horse. Win Holden, supt.

Springfield Summent (P.O. Akronelly, 42, 169, 503, 582, 592, 778.

Akron Clay Co., Archie Markle, seey, and Ireas., Geo. W. Markle, mgr., Cap. stk. 86,000. Harshberger. Open pit, steam. John Grant, supt

Jefferson, John Francy's Sops Co., Cap, \$150,000. Forest City. Slope, 25,000 fons, steam,

Prince Genove

#### FIRE CLAY-(CONTINUED)

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT. COUNTY Town AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT

Toronto (Continued.)

Jefferson, Great Western Fire Clay Co., Cap. 8150,000. Shaft, 24,000 tons, steam,

Jefferson Fire Clay Co. Cap. 855,000. Jefferson. Shaft, 6000 (tons. steam. D. H. Kern, supt

Uhrichsville, Tuscarawas, Diamond Fire Clay Co., James Ball, prest., J. M. Cooper, seey., treas, and mgr., Cap. 8tk, 825,000. Tun-Ry, 171, 581. Uhrielisville Fire Clay Co. W. B. Thompson, prest., T. J. Evans, seey and ingr., George Reck, treas Cap. 8tk, \$0,000. Slope; steam.

Walkers Ry. 563.

Columbiana N. U. Walker Clay Maintacturing to N. U. Walker, prest, treas, and mgr. M. J. Ryan, seey. Cap. 8th, 8250,000. Walker. Open pd. 05,000 tons, steam \$270,000.

## TRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OF THE TIN TONS OF 2009 POENDS, KIND OF POWER USED, BLAST FURNACES, EDV., AND NAME OF MINE SUPERINTENDENT.

COUNTY AND

Blackband, Tuscarawas Bulgway Burton Co., Massillon, Ohio, J. P., Burton, prest, and treas. D. Johns, seey. Cap. 8tk, 850,000, Ry, 474.

Ankeny, black band ore. Tunnel, 25,000 tons, horse—Christian Maurer, supt.

Bloom Switch . .

Scato Clare Iron Co., Portsmouth, Olno, J. D., Lare, prest, and treas. E. H. Clare, seey, and mgr., Cap. 8tk, 800,000. Black are. Open pit, 10,000 tons, hand, charge-gap are ty 3,000 tons. J. N. Foster, sund.

Cannelsell. Ry. Mt. Vernon Fut Bace 156.

Lawtence Campbell Iron Co., Ironton, Ohio, J., H. Moniton, prest. H. H. Campbell, seey, and treas. J. W. Camernon, Fut. ——bell, lugit, and supt. (Cap. sta., 850,00). Mt. Vernon Furnace, from ore—Open pt., 10,000 tons, hand. J. W. Camp-

Canal Dover Auscarawas - Penn Iron X Coal Co., J. P. Button, prest. H. S. Ream, seey. S. W. Groyton, Ireas, and Ingr., Cap. 8th, Ry, 474, 475.

S200,000 - Balder, black band ore. Stope, open p. t. 15,000 tors. Lotse, band (Eduace, George Brick).

Fairfield F phia Ry, Reed's Run 584

Tuscatawas G. V. Kollat., Cap. 85,000. Black band-ore., Traine's 5000 tons, haro-w. Philadel-

Hanging Bock Tawtenee Means, Kyle & Co. J. B. Wa'lard, prest, James Ball, seev. and treas. Cap. 850,000. Pine Grov. By, 523. carbonate non-ore. Open pit, finnel, 2500 (fors. hand, chargoal turnace. A. R. Mackadosh, supl.). MtAern'nFurn Lawrence ( tampbell Iron Co., Ironton, Olio ( J. H. Mon'ton, prest) H. H. Campbell, seey, and treas ( J. W. Campbell Ky,156 ) [bell, mgr., Cap stk, 8104000] Mount Vertion Farmace, itomore [ [0,000 tons, hand. ]

New Philadelphia Tuscarawas Rv. 171, 175,

theorge V. Koffar, (t.ap. 85,00). Black band over Tunnel, purifors, hand

Olive Phrinace. Lawrence. McGugen & Co., Olive Phrinace, limonite. Trained, losses tons, whatever I disacce Rv. 167.

Tuscarawas Black Band Iron co., Marietta Olno A J. Warnet prest (on H. Jones, seey Cap stk stogrou, Post Boy, black band ore - Drutt, toore fors: horse - A J. Oustine, sup!

Post Boy Ry. 174.

Mortis & Howells, Canal Dover, Olio - Cap stk, stopo - Canae Mortis, black band ore - Lunnel, 25,000 tons, horse. William Morris, supt

Radehill Ry. 181

Ainton, D. H. Pearce, Tron ore, Tunnel, open pd. 5000 tons, hand. T. Atbaugh, supt.

## $S \times LT$

LOCATION OF MINE OR WELL. RAILWAYS, WATER ROTTES AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS, UNITAL STOCK NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2 POUNDS, KIND OF POWER USED. ETC., AND NAME OF MINE SCEERINGENDENT

Town AND COUNTY

Pomeros Meigs Buckeye Saft to. George McQuig-fine, dairy. 75,000 brls., steam George McQuigg, prest. A. D. Brown, seevil breas and mgr., Cap stk, 855,000. Co. (se, Ry, 1st

Coal Ridge Saft Co., M. B. Wells, prest (John M. Davis, seev and freas), J. W. Thomas, incl. (14) 8th, 855,000 Coal Ridge, [50,000 byls], steam

Ebersbach, Schaeter & Co., Cap. 825000. Penn toy. Common, the coasts. Well, exceeds a significant

Excelsion Salt Works: B. Kochler, propr. Cap. 85,000. Excelsion. Dairy, common, fine. 4 neils, 11,000

John J. Juhler. Cap. Szijor. White Rock - Common, line. Artesian wills, Joposelids - steun

Syracuse Ry. 533. Meigs Syraeuse Coal & Saft Co., Ralph Cheney, prest. P. W. Robbins, vey, and treas., L. H. Bridgemon, nigr. Cap. 8tk, 800000. Syraeuse. Common, line. dairy. Shaft, well, 42500 brls. steam, lorse. Adam. Cap. stk. \$100,000 Duckworth, supt.

## STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WAFER ROUTES AND SHIPPING POINT.	Same of Company of Individual, Location of Principal Office, Names of Name of Mine or quarty, Kind of Stoke, Kind of Mine or quarty, and 2506 Founds, Kind of Power Creis, Stoke of Marble Mills, Li
TOWN AND COUNTY.	CAFACITY, ETC., AND NAME OF MINE SUPERINTENDENT

OFFICERS, CAPITAL STOCK TAL OUTPUT IN TONS OF IMEEILNS AND

Akton summit J. Hugill, 114 South College st. Cap. stk. 820,000. Sandstone. Open pit, 4,800 tops, horse, Hy, 502, 169, 42, 506,

. . Lorain Olno Stone Co., Cleveland, Olno, 204 Superior st. J. M. Hughes, prest.; L. P. Haldeman, v.-prest, and seey., C., Caskey, treas., D. D. Haldeman, mgr. Cap. 8tk, \$200,000, Sandstone, Open pit, 14,600 tone; steam, mill. Amherst RV. 383.

.Montgomery A. J. Shaffer clocal). Limestone. Hand, mill. Ry, Trotwood, 170, 584.

Barr's Mills Tuscarawas Kitzmiller Stone Co., Canton, Ohio, 18 W. Eighth st. John W. Gabriel, prest., seey, and treas.; H. A. Kitzmiller, ngr. Cap. stk. \$22,500. Kitzmiller, sandstone. Open pit, 18,000 tons; steam; mill, John Saunders, supt.

ca , Cayahoga Cleveland Stone Co., Cleveland, Ohio, Wilshire Eldg., J. M. Worthington, prest.; Geo. H. Worthington, seet, and treas. Cap. stk. \$2,250,000. Berea, sandstone. Open pit. 42,000 tons; steam; mill. James Nielodi, gen, supt. Berea

Eric G. A. Bailhe. Sandstone. Slope, 65,000 tons, steam. Bertin Heights Ry, Ceylon 383,

Chyahoga Maxwell Rolf & Co., Cleveland, Ohio, 5 Euclid av. Cap. stk. \$20,000. Bluestone. Open pit, 100,000 tons; Bluestone Via Cleveland 170, 173, 175, 383, 502, 503, 778. steam; mill.

Affen Siddall & Townsend. Lamestone. Open pit, 45,000 tons, steam, limekiln, capacity 2,400 tons,

Ry. 378, 582. Bowling Green Wood Murphy & Mercer, Cap. stk. \$3,000. Limestone, 20,000 tons, steam; mill, George E. Mercer, supt.

Ry. 156, 760. Washington, D. B. Calder, Cap. 82,000. Constitution, sandstone. 200 tons. steam Briggs

Ry. 43. F. W. Knowles (local). Grindstones, 200 tons; hand, mill,

Transbull Hamilton & Dailey Stone Co., Cap. stk. \$8,000. Whittaker, sandstone. Open pit, 2,000 tons, steam, mill. Brookfield Rv. 383.

Lorain Cleveland Stone Co., Cleveland, Ohlo, Wa'shire Bldg. J. M. Worthington, prest., George H. Worthington, seey. and treas. Cap. 8tk, \$2,250,000. Brownhelm, sandstone. Open pit, 42,000 tons, steam, mill. Brownhelm secy, and treas. Cap. s James Nicholl, gen. supt RV, 383.

ema Vista Freestone Co., Adolph Cadm, prest.; W. L. Cadm, seey., Cap. stk. \$50,000. Buena Vista, treestone. Open prt. 20,000 tons., steam, mill. Adolph Cadm, supt. Scioto, Buena Vista Freestone Co. Buena Vista Ry. 503. John Miller & Sons, Cap. stk. \$25,000. Buena Vista, freestone. Open pit, 5,000 tons, steam,

Lawrence Campbell Iron Co., Ironton, Ohio, J., H. Moulton, prest., Jf. H. Campbell, seey, and treas,: J. W. Camprion, Fur-prion, Fur-bell, mgr, and supt. (ap. 8tk, 8105.00). Mt. Vernon Furnace, limestone. Open pit, 20,000 tons; hand, tampbell Lawrence Ry. Mt. Vernon Fur-

names 156 Hamilton, F. E. Wiche (local), Cap. \$2,000. Limestone. Open pit, 578 tons, hand, Ry. 156, 170,

Centreville Montgomery James Maurel, Sandstone, 1,400 tons,

Ry, Dodds 158 Huron Furlong Stone Co., Cap. stk. 810,000. Furlong quarry, sandstone. Open pit, steam and horse, mill, burnel Malloy, supt. Clarksfield Ry. 809.

Cold Springs Clarke, Moores & Co., Limestone, Slope, steam, W. H. Kennedy, supt.

Rv. 170. Columbia Station Louant Cleveland Stone Co., Cleveland, Ohio, Wishine Bldg. J. M. Worthington, prest., George H. Worthington Ry, 170. Scoy, and treas. Cap. stk., \$2,250,000. Columbia, sandstone. Open p.t. 42,000 tons., steam; mill. James seey, and treas. (Nicholl, gen, supt.

Constitution (Washington) Constitution Stone Co. M. J. O Connor, prest, and Treas., Thomas Cleary, seey, and supt. Sandstone Rv, 43.

Maant J. W. Ruhl, Cap. S20,000. Rocky Branch, limestone. Open p.t. 18,000 tons, steam, mill, limekilns capacity 2,625 tons. J. R. Reinell, supt. Covington Rv. 156, 584

Edinbur 2 Portage W. B. Davis. Red sandstone. Open jut. hand. Ry, 175.

Tax

Scioto, W. E. Marsh & Co., Limestone, Open pit, 30,000 tons, hand, W. E. Marsh, supt.

Ellsworth Maliening, M. J. Barnes, Cap. 88,000. Sandstone, limestone. Open pit, hand,

Lorane George E, Bryant, 13 W, Third st., Cap. 810,000. Sandstone. Open pit, 800 tons, steam. mill,

H. F. Mussey & Co. Mussey, sandstone. Open pit, steam

Lawrence Edward Adkins Limestone Open pit, 50,000 tons, band, 1ay. Ironton 156, 286 25, 535

senica Senica D. P. Lloyd Co., Cap. 850,000. Lamestone Open pit, Coro tons, steam; llimekilin, capacity 2,000 tons, R. C. 181, 502, 765.

Sandusky Gottron Bros. Limestone. Open pit, 6,400 tons, steam, hand, finiekiln, capacity 60,000 brls. Fremont Ry 578, 383, 809

Morrow J. B. Rinehart (ap. 82,000). Fulton, sandstone Open pit, 14,000 tons, steam. B. J. Lyons, supt.

Fultonham

Lineas RV, 585

Lykens

Rv. 182.

Location of Mine or Quarry. Railways, Water Routes and Shipping Point.

COUNTY.

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

Muskingum, Hoover Bros., Fultonham, limestone. Open pit, logen fons; steam, limeki'u.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARRIE MILLS, LIMERILISS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Gratton Ry, 170, 171,	Lorain	Elyria Slone Co., Elyria, Olno. H. E. Corning, prest., W. L. Fay, se w., treas, and mgr. Cap. 8tk, \$165,000. Elyria, sandstone. Open pit, 320,000 tons, steam, mill. Charles F. Peebles, supt.
**	**	Graffon Stone Co. E. S. Flint, prest., W. S. Miller, seey., Col. S. Bliss, treas., W. E. Miller, vprest., and mgr., Sandstone, 80,000 tons., Cap. 8tk, 8120,000, 8team, mill.
Greenfield cP. O Ster 42, 535.		Coif & Graham. Stenben, sandstone. Open pit, 500 tons, hand.
Hanging Rock Ry, 523,	Lawrence	Means, Kyle & Co. [1, B. Willard, prest, and mgr], James Bull, seey, and freas [Cap. stk, 8500,000, Junior] Hearth Stone, sandstone. [Hand] "developing".
Independence Ry, 778,	Cuyahoga	4, Bender classee . Smiths, sandstone. Open p.1, 200 fons, horse
	**	Little & Petribone, Cleveland, Olno, 5 Luchd av. In lependence, treestone. Mill
0	**	Olino Stone Co., Cleveland, Olino, 204 Superior st., J. M. Hughes, prest., L. P. Haldeman, vprest, and seeg., C. C. Caskey, Irac., D. D. Haldeman, mgr., Cap. stk, 820,000 — Sandstone. Open pil. 14,000 tons, steam, mfl.
Killbuck Ry, 169.	Holmes	Killbuck Brown Stone Co., Chas, F. Duer, seey., Z. 4. Oner, treas, and mgr. Killbuck, sandstone. Open- pit; electricity, horse, hand, mill. Emos Schordorf, supt.
La Grange Ry, 170,	Lorain	Cleveland Stone Co., Cleveland, Ohio, Wi'sh re Eld., J. M. Worth action prest, George H. Worthington, seey and trens, Cap. 34k, 8250000. La Grange, sandstone. Open pd. 42000 lons, Steam, hall, Jas. Nicholl, gen. and
Laneaster Ry, 461, 481,		F. C. Neeb. (Cap. \$50,000). Weghany, san Istone. (75,00) ctors, steam, horse. (Wim. Stracham, Supt.
Lime City Ry, 760.	W oud	Lime City Co. C. H. Sawyer, prest. J. P. Bronson, seev. and treas. G. S. Breed, mgr., Cap. 84k, \$50,000. L'ine City, Linestone. Open p.t. 60,000 clous, steam. C'm. kalus. J. Heilerman, 80pt.
	**	Michigan Stone & Supply Co., Defroif, Mich., io W., Fort St. Gus T. Smith, prest, and mgr., Cameront order, see, and treas. Cap sik, stoopoo. Homestood (parry), innestone. Open pd. 5000 fore, steam. O'Lando Edition, such

Crawford A. J. Brown Limestone, open p.t. steam Ry 582 Me Vrthur Vinton, J. H. Pilcher (Joeal). P. Scher, "mestone: Open of Joind.

Ry, 481 Betmont Absoph Met laan & Son, Be base, Oh or 322 Graetroev 32 Absoph Met base, prest and mag. Win, G. Me Chin, seek and Breas. Cap. sik stage of Met a ny be, samestone top in p.1, 2020 fone, steam, Henry Hally, supt. Met lamville RV, 12.

Richland Richland Stone Co., Mansfeld, Ohio, Savings Rink 1892. H. C. Fost, prest (1.1 H. Zurhotst, seey., Geo E. St., John, Otcas). Chas. W. Uteneh, mgr. (Cap. stv. 850,000). Lucas (Sandstone, slope and steam).

Franklin [1] J. Price & Co., Colombias, Olio, 7; N. S. at est. Markly C. W. in at m. Open pd. acquartons, steam, lancker, capacity, successors, [J. E. Price], apt. Markley Chill 101.584

Ollawa, Kunz & Johnson, Sandusky, Oli o, Waiter st., Cap. 875000. Transistine. Open pd. footoctors, hand linek in capacity Fagoretets. John Burns, supt. Marblehend Ex. 351

Sloss Marblehead Lune ( o. 8 Sloss, prest, and trea). F. Vanderve<sup>10</sup>, m.g. — Sloss Marblehead, binestone Open pd

Stark Vogt Stone Co. Win H. Vogt, prest. Win McM flan, seev and trea. I. I. Vogt, mgr. and supt. Cap. stk, 88,000. Sandstone. Open pit, 15000 fors. steam. in P. Massiffon. HA 171, 585, 809, Warthorst & Co., Sandstone, sand.

MIA em'nI'uru Lawrence | campbe!! Iron Co., Ironton, Olno, | J. H. Moniton, prest | H. H. Campbe | eev. and treas | J. W. Campbe! O'Compbe! (R.15a) | bell, mgr., | Cap sik | storger) | Mr. Vernon Furnace, 'moston | O cerept 32, octons, hand cl! O.Campbe!! dty.f56 belt, mgr. Cap stk stonere

Newark Licking, George Havens, Newark, treestone, Open pd. 2,000 tons, hand Ry 42, 584.

New Lishon Columbiana John H. O'Mara, Cap. 8500. In wisner, sond-fone. Open pet Courte. Each

Newport Adams P. O. name Wilson Adams, Highland Stone (o., Norwood, Ohio, J. J. McTarlan, prest, and soly John W. Libard, seey, high distance supply cap, std., 85000. Line tone, Open pd., 9500 forus in 2 Rv. 165.

L. & F. Fucturg, Can aman, Olive, by Webster (f., Care 8th, 85 900). Shaling "finestone. Open pet. 2000 rous hand. I. Includging suppl.

Lorain Cleveland Stone (a), C'eveland, Olno, Weshare 19d2, J. M. Worthington, prest. George H. Worthog fon, seep, and from Capacity Signature. North Annherst, sandstone. Open pd., 4,000 force scheau-mill. James Nicholl, gen. apt. North Amberst Ry . 38 3.

Offusted Pal's Crivalioga Coveland Stone Co., Coveland, Offio, Wishire Pal<sub>2</sub> J. M. Worthington, pre t. George H. Worthington, Secycland Brass. Cap. 46, 827 2000. Ourstead Pal's, cand-fone. Open pd. 42,000 fons. steam. in fl. James Neillo<sup>2</sup>, gent, opt.

Scioto W. R. Smith & Sons - Freeman, sandstone - Open pet, object fons, steam (buse, hand) 1 (1) Smith, O. F. Smith and James Batker, supls. Ry, 165.

Mation D. Owens & Son. Owens, Uncestone, sandstone (2.85) for s. Jeann ameach (apact) 240 (for Damel Owens, sind). Owen Rv 181.

Summit Cleveland Stone Co., Cleveland, Ohio WitShite Bolz., J. M. Worth nation needs to conj. H. Worth nation, seek, and Treas. Cap. 8th, 8225-000. Pen marka, sandstone, Upon pat 42 (co tens., steam, for James Nicholf, Jen., app.). Peninsula . liv. 778

Tows

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT. AND

COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Smeinit Olico Stone Co., Cleveland, Olifo, 204 Superior st. J. M. Highes, prest. L. P. Haldemain, Captest. scey., C. C., Gaskey, treas., D. D. Haldemain, high. Cap., 8tk, 8200,000, Saindstone, Open pit. 1 tools, steam, mill. Peninsula: (Continued.) Sandstone. Open pit, 14,600

Plymouth Ry, 42, 582,

Richland Plymouth Stone Co., D. L. Critten, prest.; Jacob Wallace, seey, and treas., C. H. Whittier, mgr. and supt. Cap. stk, 86,000. Sandstone. Open pit, steam, horse. Point Pleasant Clermont Galbreath & Bushman, Cap. 83,000, Limestone, Open pit, 6,000 tons, horse, hand,

Point Pleasant Stone Quarry, Alimestone. Open pit, 759 tons, hand, George F. Knabb, supt.

Ridgeville (P. O. Bement) Shawville 383.

Lorain Dallas Beebe, Cap. \$3,000. Beebe, sandstone. Open pit, 75,000 tons, horse, hand, Ry.

Rockbridge Ry. 181

. Hocking Detroit & Hocking Valley Red & Brown Stone Co., Detroit, Mach., 55 Champlain 81. Joseph S. Visger, prest., Richard J. Smelaur, sery., G. Chara, treas., Charles C. Cann, mar. Cap. 8tk, \$00,000. Hocking Valley, sandstone, Open pit, 15,000 tons, Steam. H. A. Flowers, says.

St. James Ry. 170.

Morrow Backeve stone (o. J. J. McClarren, prest., A. W. Monroc, seey, and treas; J. H. McClarren, mgr and supt. Cap. stk. \$20,000. Backeve, sandstone. Open pit, 15,000 tons; steam.

Silverton

...Hamilton J. K Galloway, Limestone, Open pit,

Ry. 158. Springfield Ry, 170, 508, 585, 584,

Clarke, Wm. K. Duke, 97 W. Mulberry St., Mill Creek, Innestone. Open pit, hand, mill.

Mills Bros., 107/8. Limestone st. (14p. 84k, 840,00). Limestone. Open p t. 25,000 tons, steam and hand: mill, kilm. s,500 tons. Henry Hoss, 84pt. Wood Luckey Stone Co., Elmore, Olno, J. B. Luckey, proprietor. Luckey, limestone. Open pit, 40,000 tons.

Stony Ridge Ry, 765. Smar Crove

steam, mill. Fairfield, R. L. Sharp Stone Co., Sandstone, Open pit, hand, horse,

Ry. 181.

Wm. Sharp. Buckeye. Open pt, 2,000 tons, hand. D. P. Oram. Linestone, Open p.t. Libo fons, hand

Sulphin Grove Montginry Ry. Dayton 456, 470, 207, 503, 584.

Delaware Sunbury Stone Co. William Bunyan, prest., Edward T. Bunyan, seey, and mgr. Cap. stk. \$25,000. Sunbury. Open pt. 4,800 tons, steam, mill. John Hunter, supt.

Sunbury, Ry, 169. Thompson

Geauga, Chrys Sidley, Cap. \$2,000. Sandstone. 20,000 tons, horse and hand, bull.

Ry. Madison 383, 3

Tittm Scheen J. Polang, Cap. 83,009. Limestone, Open, hand, Ry, 42, 170, 530.

Vincent Washington Hayes Bros. Cap. 815,000. Sandstone. Open pit, 1,900 tons. steam; mill. Rv. 765. Wakeman

Huron Ceveland Stone Co., Cleveland, Olno, Wilshire Bldg., J. M. Worthington, prest., George H. Worthington, sery, and freas — Cap. stk. 82250,000. Wakeman, sandstone. Top en pit, 42,000 fons. Steam, mill., Jas. Nichol!, gen. supt.

RY, 383 Waverly

Pike Waverly Stone Co. W. 8. Jones, prest. J. W. Logan, seey, and treas., R. E. Sharpe, mgr. and supt. Cap. stk Stano. Sandstone. Open pd. 24,000 tons, steam, horse, hand, mdl. R. E. Sharpe, supt.

Ry. 508, 585, West Lien.

Unvalueza C'eveland Stone Co., Cleveland, Olno, Wishire Ridg., J. M., Worthington, prest., George H. Worthington, seey, and treas. Cap. 8tk, 82,250,000. West View, sandstone. Open pd. 42,000 tons. steam, mill., das seey, and treas. C Nicholl, gen supt.

Ry, 170,

Lucas, J. I. Pray & Son. Cap. stk. \$3,009. Sandstone. Open per, to, 900 tons, hand, mill. J. E. Pray, supt. Whitehouse,

Ry. 784 Youngstown

ungstown Mahoning Voungstown Stone Co., R. T. Walker, prest., F. P., Hood, seey., Win, Cornelius, treas., George W. Can RV 382, 563, 563, 791 held, nigr., Cap. stk., 8563 Voungstown, sandstone. Open pit: steam, Sand mill.

Ry, 42, 164, 170,

Muskingum I M Avets, tos Main st. Cap. Sto.000. Dillon Fails, sandstone. Open pit, 10,000 tons, steam. Harry

A Emery, Tapes10,000, Putnam, sandstone, Slope, 7,900 tons, hand,  $40 hn \ W \ King, 45 \ N \ Fourth \ st. \ Kings, 40 + c'av, sandstone - Open pit, 3200 \ tons. \ George \ Sinith, supt.$ 

Philip Mowrin, local), at Eliu st., Cap (\$1.50). Mowrin, 'unestone. Open pit, augotons, hand. Limekilin,

## SEE ALSO SUPPLEMENTARY LIST

# OREGON

## COPPER

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, MARK OF MINE, KING OF HIRE, KING OF MINE, ANNIAL OUTTUT IN TORS OF 2.00 FOUNDS, KING OF FOWER USER, FUNCOUS, ETC. AND NAME OF MINE STREETINFINION.

TOWN AND COUNTY

Gold Beach

Ry, 552,

Curry N. Huntley. Black Diamond. Open p.t. 49 tons, retractory, hand

## GOLD AND SHATER

	GOLD AND SILVER
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OPFICERS, CAFITAL STOCK, NAME OF MINE, KINDO OF OH, KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2010 POUNDS, KIND OF FOWER USED, STAMM MILLS, F.C., AND NAME OF MINE, SUPPRINCESSEEST.
Town AND COUNTY	
Applegate duckson Ry, ducksonville 776 (17 miles).	John I Layton, (ap. 89099) Farris Gulch, gold. Placer, hydraulic
Ashland Jackson Rv. 692.	Ashland Mining Co., Portland, Ore., 13 Stark St. P. Kelly, prest., H. T. Coffin, seey, and treas. Cap. 8tk., \$200,000. Patton and A. N. Kaeg, gold and silver. Shaft and tunnel, free Joseph A. Wilson, Supt.
Auburn Baker Ry, Baker City 776.	Jas 1, Wells Gold, Shutt, horse
Baker City Baker Ry, 776.	Bansley Elkhorn Mining Co., Portland, Ore., 140 Fust st. T., W. Nelson, prest, ingr., and supt. S. J. Barber, seey. Cup. stk. 84,000,000. Ilkhorn, gold and silver. Shatts, tunnels and levels, 20,000 fons. Free and retractory. Scient Bryan and Huntingfor fulls.
	Baker City Gold & Silver Mining Co., Isidor Fuchs, prest., A. B. Hiner, seev., A. H. Terry, treas. Cap., stk. 8200,000. Monumental and Tight Squeak, gold and silver. Shart and tunnels, free developings.
	Hikknorn Gold Muning Co., Portland, Ore. Ass. First st. L. W., Nelson, prest. Geo. N. Wolte, seey. North-Western Don'n X Trust Co., tress. Lewis O. Nelson, may, and single, Cap., is k. Succoo. Gold Media and Gold Fargle, gold and silver. Shatts, funnels, drifts and slopes, 9000 fons, free and terractory, steam, mill.
(12 miles).	Fikhorn Mining Co., Portland, Gre. J. H. Robbins, prest, mgr. and supt. W. L. Harmon, seey. J. G. Davidson, Greas, Cap. stk, 850,000. Likhorn, gold and silver. Tunnel. free and retractory, water mill.
:37 miles -	Tureka & Everlsiot Consolidated Mining von St. Louis, Mo., 76, Oriel Bildg., R. C. Kenns, prest. C. H., Smith, seeg. C.M. Domaldson, mg.t. Cap, stk, 8,0,000,000. Tureka and Everlsion, gold and silvet. Tun- nels, tetractory, steam, 2084adaps.
	Geiser Estate. Albert Geiser, mgr. Bonanza, gold. Tunnel, 7,500 tons, 4rec. steam, 46 stamps.
	Hodgins & Roliner   G. R. Hodgins, prest, and mgr., John Roliner, seey., P. R. Beship, treas, and supt. Cap. 830000   Cow Boy, gold and silver. Tunnel, tree developing.
	Jones & Carpenter, Cap. 850,000. Never Sweat, gold. Placer, deep, hydraulic and water. Moses Carpenter, supt.
	Robinson Gold Mining Co., Geo. W. Robinson, prest, and seev., D. W. C. Nelson, mgr. and supt., Cap. 8th, 81,000,000, North Star, gold. [Junnel, 4,600 tons, retractory]
(16 miles),	Robinson Mining Co., S. Offenheimer, prest. [1] F. Waring, seey. [D. W. C. Nelson, treas., mgr. and supt. cap. 8tk. 81,000,000. [Robinson, gold.] Drift, retractory developing.
	Smowstorm Consolidated Gold War ng Co., Bedford, Indiana, Alamas V., Thornton, prest, Lefmand R., Thornton, seey and treas J. P. Wagelani ungt analysip Cap ski, Soutone, Sowstom, Toddler Charrot, Thornton, Windsor, Lafy White, St. Albans and Tarcka, gold. Slope and shaft, 9,000 fons, horse, water, 10 stamps.
	Washington Gulch Mining Co., Portland, Orc., 53 F. Oak st., 8 M. Keenan, prest., A. L. Keenan, seey, and treas., Wm. Decmer, figt. and supt. Cap sik \$175,000. Washington Gulch, gold. Placer, hydraulie.
Bolt Jackson Ry, Woodyalle 692	Alexander Orme, Brother, gold, Phaect water,
Bridgeport Baker Ry Baker City 776 20 m	Burnt River Mining Co. Archie J. Murray, prest. William Cox, seev., J. H. Murray, treas., F. Cavin, nigt, and supt. Cap. \$10,000. Chieken Bar, gold. Placer, hydraulic.
**	Henry Heisy. Blue Bar, gold - Tunnel, placer
Calde Cove Baker (P. O. Baker City Ry, McEwen, 776 (16 m)	Eagle Mining Co. L.A. Colbath, prest. W. S. Crismon, seev. and treas. John C. Young, high Cap- sh,600,000. [Fagle Group, gold and slivet. Shatts and tunnels, 10 tons, tree and retrietory
Calcb Ry, The Dattes, 576	Owens, Lraeson & Taswell. Spanish Galeh, gold - Placer, hydraulic
Canyon City Grant Ry.Baker City 776-75 m.s.	Hugh Cannon, Gold, Placer, water, hydraute
	Clark & Rulison. Last Chance, gold. Placet, hydraulic
0.00	William Hahn, Quartz Golch, 2014 Placer, hydraulic
	Humboldt Mining Association. H. W. Sloan, mgt. (cap, sik \$25,000). Hemboldt gold. Placer hydraulae.
	J. A. Whitman, Cap 84,000 Whitmans, 20lu. Placet hydranic country
Canyonville Douglas Rv. Ruldles 692.	Ash & McWilliams, Cap (\$1500). M. W. fhams and Ash, gold (Proc.) by hard,

Tows

Canyonville

Connor Creek

LOCATION OF MINE,

RAILWAYS, WATER ROUTES

AND SHIPPING POINT.

4 5/15

Ry. Huntmaton 776 (20 miles),

Cornucopia ... Union Ry, Union 776 (40 m.).

Ry.Baker City 776(60m.).

COUNTY.

## GOLD AND SILVER (CONTINUED)

Dunning & Thomas. Cap. stk. \$2,000. Albatross, gold. Open pit, placer, water.

nville — Donglas D. J. Bollenbough, Pickune, gold. Placer, hydraulie, wafer. (Continued.)

R. Kelly, supt.

D. A. Levens. Douglas, gold. Shaft and tunnel; free; water, James Yokum, Cap. \$500. Gold, Placer; hydraulic (developing).

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND

OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Last Chance Mining Co. Last Chance, gold, Silver and copper. Tunnel: free, water. E. L. Goodridge,

Eaker Connor Creek Mining & Milling Co., Portland, Ore., Abington Bidg. S. G. Reed, prest.; Martin Wynch, Secy, and trens; J. Myrick, mgr. and supl. Cap. 8tk, \$1,000,000. Connor Creek, gold. Tunnel, 16,000 tons; tree; witter; 35 tamps.

Union Companion Mining Co. Gold and silver. Shatt and tunnel, free and refractory; steam; 5 stamps. E. P. Last Chance Mining Co. Last Chance, gold. Tunnels; free and refractory (developing).

New Discovery Mining Co. New Discovery, gold and silver. Tunnels; free and refractory (developing).

Norway Mining Co. Cap. 8tk. \$6,000. Norway, gold. Tunnel, 3,600 tons, free and retractory; water; Huntington null. Geo. Lindgreen, supt.

		tripicing on man. Geo. Emigreen, supt.
	**	Nyanza Mining Co. Nyanza, silver. Shatt, tree and retractory (developing). Robert Kelly, supt.
		Oregon Gold Mining Co., Louisvalle, Ky., 544 W. Main st. Geo, H. Dietz, prest.; H. W. Bolimer, seey.; A. L. Schmalt, treas., O. F. Steen, mgr. Cap. 8tk, \$300,000. Red Jacket and Whitmain gold and silver. Finnel, 10,000 toos: free and retractory. Steam and water, 20 stamps. J. H. Wiscon, sipt.
		Queen of the West Mining Co., gold. Shafts and inclines; free, hand developing). Robert Kelly, supt.
		Stella Mining Co. Stella, gold and silver. Tunnel; tree and refractory (developing). W. S. Wilson, supt.
		Union Mining Co., Austead, Tice & Burdett, proprs. Union, gold and silver. Timnel; free and retractory (developing).
Eugene P. O. and Creek 692,	Ry. Myrtie:	Myrtle Creek Hydraulle Gold Mining & Mannfacturing Co., Engene, Ore. L. W. Brown, prest, ingr. and supt. J. F. Roblitson, seey.; T. G. Hendricks, freas. Cap. 8tk. 8 20,000. Myrtle Creek, gold. Placer, hydraulle.
Glendale . Ry, 692.	Douglas	J. T. C. Nash, Nash, gold. Placer; hydraulic, water.
Granite Ry BakerCit	Grant y776(35m.).	Baisley & Klopp, Cap. 8tk. \$33,000. Baisley & Klopp, gold. Placer, deep, hydraulic, water. Isaac Klopp, supt.
	.,	Fairsiew Ophir Mining Co. Pendleton, Ore, Calvin cor, W. R. R. St. Peter Parmentier, prest., R. R. Divon, seey., David Horn, treas., Frank Duprat, mgr, and supt. Cap. stk. §55000. Encouragement, gold, silver, copper and lead. Shart, hand and horse, mill, 40 stamps.
		Grantie & Greenhorn Milling and Mining Co., A. G. Tabor, prest,; C.S. Miller, seey., mgr, and supt. Cap. 8th, 81250000. Monumental and Morris Consolidated, silver. Shafts, and tunnels, refractory, steam, 20 strangs.
		Grant Silver Maning Co., Portland, Ore., cor. Front S. st. Geo. W. Weidler, prest., Thomas Gray, seey, and treas., J. C. Powers, mgr, and supt. Cap. stk. \$100,000. Infrinsic and others, gold and silver, sharts and tunnel, retractory, steam.
		G. H. Gutradge & Co. G. H. Gutradge, prest., Harry Mack, seey., M. Thornburg, freas., E. E. Thornburg, mgr. Cap. stk, 85,000. Camp Mason, gold. Placer; water. A. J. Dickison, supt.
Grants Pass Ry 692,	do-ephine	T. J. X. J. T. Clark. Cap. 8(20,000. Quartz Boulder, gold. Placer, hydraulic. T. J. Clark, 8npt.
		Rogne River Mining & Developing Co. J. T. Flynn, prest, A. C. Taylor, seey, and supt., Robert G. Smith, treas. Cap. 3t. \$100,000. Conductor and Gray Mule, gold. Tunnel and shatts, 1,000 tons; tree and telractory, steam, 40 stamps.
Greenhorn P. O. Vusti Ewen 776	Grant n) Ry. Me- (50 miles).	C. G. Nelson, Austin, Ore. Greenhorn, gold. Placer; water.
Harney By, 776	Harney	Robert Drinkwater. Gold. Placer, water (developing).
ldol Ry.Harney		Bruner & Gilham, Main St. Cap. \$1,500. Big Boulder, gold and silver. Shatt, tree, hand,
	**	Heath & Roberts, Harney City, Ore. E. A. Heath, prest., John E. Roberts, secy, and trens., D. A. Cawlfield, mgr. and supt. Cap. 8tk, \$20000. General Heath, gold. Placer, hand.
		J. A., J. E. & J. H. Loggan, Cap. 81,2 (). Gold. Placer (developing).
		Re on, Black & Kitching, Portland, Orea, Eo Seventh st. C. R. Black, mgr. Clarvonit, gold and silver. EcHactory. E. H. Ream, supt.
		Samuel Roach - Cap, 84,000. Gold. Open pit, placer,
Jacksonyr Rv. 692	Jackson	Jacksonville Muning & Milling Co. Jeremiah Numan, prest, Silas J. Davyseev., Fliomas J. Kenney, treas., D. Cronemiller, mgr. Cap. sth. Silant. Jacksonville, gold, Tiannel, tree and retractory, hand developing. Henry Klipple, supt.
Joseph Rv. Flam 7	Warrowa 76.	Royal Purple Muning Co., T. J., Dean, prest, mgr, and supt.; T. M. Dean, seey., J. F. Cutler, freas. Cap., stk, 84,00000. Boyal Purple, silver and copper. Tunnel, tree and retractory, water, concentrator, crusher and furnace, 5 stamps.
La Grande Ry, 776.	Union	Chloride Mining & Milling Co., Portland, Ore., 33 Stark 8t. F. W. Paine, prest., M. D. Wisdom, seey., R. L. Ourfaun, treas., J. K. Romig, m.i. Cap. 8tk, \$500,000. Chloride, gold and silver. Tunnel, 350- tons, tree, water. J. J. Tav'or, 8001.
Letand Ry, org	Josephinie	Alta Ditch Co., Grants Pass, Ore. J. C. Windom, prest., J. W. Sherer, seey, and treas., John A. Niday, mgt. and supt. Cap. stk. 85,000 [Gold. Pager]

#### GOLD AND SHAVER (CONTINUED)

	TION OF	MINE, R ROUTES
AND S	SHIPPING	POINT.
Town	AND	COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT. COUNTY.

"Josephine, L. N. Browning, Browning, gold. Placer, Leland (Continued.)

Matheur Samuel & Hiram Colt. Cap, 80,000. Tip Top, Humboldt and Autocrat, gold. Shatt, tunnel and slope, 500 tors, free, steam, 2 stamps. Malheur Ry. Baker City. Grant W. E. Gifford, Present Need, gold and silver. Shatt and tunnel, toctors, tree and retractory, steam,

Prairie City Grant Ry, Baker City 776 - 67 Geo, E. Robinson & Co., Colorado, gold. Tunnel, 3,500 tons, retractory, steam, 5-stamps, Geo, E. Rob-

mson, supt Buddles. Ry, 692 (3) inches (

8, 8, Catching, Cap. 8500, Gold, Placer,

John Hudson, (cap. \$5,000). Gold. Open p.t. water developing

Robinson Maning Co., Geo, W., Robinson, prest., D. W. C. Netson, seey, and treas., T. C. Smith, mgr, and supt. Cap. 8th, 81,000,000. North Star, gold. Tunnel, britons: tree and retractory, steam and water. Rock Creek Baker P. Of and Ry. Baker City 776. Parker

Rye Valley Baller. Cartwright Bros. Jessees Rye Valley, gold. Placer Ry. Weatherby 776 cts

m.'es . H. B. Frans, Silver Blue and Extension, gold and silver - Lunne's tree, hand and arrastre

John Frisco, Bonanza, gold. Placer; hydraulic.

Union C. T. Bradley Mining Co., Daggett, Cat. C. M. Sanger, prest., A. T. Sanger, seey., C. I. Bradley, treas 30 m. c. — Cap. sik. storowe, Summit, gold and silver, Shatt, force of steam, to stamps. W. J. Sanger Ry, Union 776 (30 m.). Cap. 8th 8100, Lownbey, supt.

Sturg P. Bros., Baker City, Oregon. Bonanza, gold. Shaft: retractory. horse Jackson, N. & C. Ritter. Lacky B. C. 2004. Junnels, tice, horse and hand, arrastro, N. Ritter, sapi-Sardine Creek

cP, O, Rock Point - Ry, Gold Hill 622 Spanjsh Gulch

Grant Mate Gulch Maning Co., W. W. Cowne, prest and mgr. R. V. Gebons, seev. W. B. Cowne, treas. Cap y. The — stk s20000 Mate Gulch, 2010. Placer, Avdrante, J. Sev. 9, supt. O. Calebo Ry. The Dalles 776. Umon, F. H. Bayer, Walla W.cha, Wash. Boyer's, gold. Place: hydric, by Edwire Whitney, sapt.

Ry, Baker City 776. Fastern Oregon Gold Manue Co., Detroit, Mich., Geo. W. Robenson, prest., Goo. H., Lathrop, seev., and Iteas., Cap. 8tk, 8100,000. Lettle Archie, gold., Shart, and funnel, 200 tons. free., hand. L.C. 8m th.

Jay Guy Lewis - 8 Iver Queen and Livingston, 2014. Shatts, finnels. 2000 tons, tree and retractory. horse

Ore DeP Mining & Welling Co., Chengo, 1P., 225 Domborn St., W. W., Wartson, prest., Chas. N., Hale, seey and frens. J. V. Hether inton, mix- and supt. Cap. 8tk, 85,000,000. One De 5. Be 5 of Kansas and colliders gold. Shaft and fringer free. Seam (int).

Snowstorm Consolidated Gold Mining Co., Bedford, Ind. A. B., Doriston, prest. T. B., Thermton, seev-and treas. J. I. Meacham, jugg and sept. Cap. stk. Slovgen. Snowsform, 2010. Shaft and Slope-tree, wither Justinia. Jackson Sterling Mining Co., Portland, Oto. A neent Cook, prest. O. L. Cook, serv and Iteas. Henry P. An Jackson. – kenv, ingrand sipt. Cap. 8tk, \$40,000. Sterling, gold. Place. with 1 P. O. and Ry Jackson

Sumpter Baket Mary Agnes Consolidated Placer Main, Co. Cap. 8tk. 88 000. Mary Agnes, 2003. Placer (hydract), 756. A. Downie, supl. Ry Baker City 776.

anvalle Grant Sloan & Haskell Gold Placet, 1 g ant steam Ry, Heppier 776 Waddo Josephine (i.e., Simmons & Z. Cameron, Geo Sammons, ingl. and supt. Simmons & Co., 2051

Ry Grant's Passon Winner Bros. & Co., Oalc'and, Cal., too, Washington st., Washington, and Theep, Involvance

Wort Creek. William & Ruth Ruther cap size to R  $\rightarrow$  gold. Onch p.f. doep it for S (CR)  $\rightarrow$  sopton, hydraulic nume inspector Josephine

Woodville Jackson Alex Wilson Gold Placet water Div. one

#### IRON

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PLINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2 + 1 FOUNDS, KIND OF POWER USED. BLAST FURNACES, ETC., AND NAME OF MINE SCIEDINGENDENT

Oswego Chekamas Oregon Iron & Steel Co. Portland, Ore 463 Hard st. Theo B W (no peest of Fronk Watsor see and high Endd & Lifton, Reus. Cap site 84, 'ergent Prosect and D of Pond provide mathic Sh and Innual, Proportions, steam, J. H. Fonneroy, singl.

### KAOLIN

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT.

COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

AND

Paker Huntington (Mine in Malheur Co.) Ry, 776. American Kaolin Co., Portland, Orc., 10 Second st. J. F. Edwards, prest.; Robert R. Tuttle, secy.; F.C. Brodie, treas.; James Sudwecks, mgr. Cap. stk. \$1,000,000. Kaolin (developing).

## LEAD AND ZINC

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

Pendleton , A matılla Golden Hill Mining & Milling Co., 113 Court st. Jacob Frazer, prest.; W. P. Lathrop, seey.; B. F. Renn, treas., James A. Howard, v.-prest, and mgr. Cap. 8tk, 8750,000. Vulture, lead. Shaft and tunnel. Ry. 776.

### MINERAL PAINT

LOCATION OF MINE. KAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE. KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Tours ANT

Etna Jackson, H. Richardson, Mineral paint. Open pit. By. Gold Hill 792.

#### NICKEL.

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OLE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

Toms AND COUNTY

Riddles Douglas Edson Adams & Harvey S, Brown, San Francisco, Cal., Fourth and Townsend sts. Oregon odevelop-les). W. O. Brown, smyt. Ry, 692 (4 miles),

International Nickel Mining Co., Chicago, Ill., Chamber of Commerce (Bidg., cor. La. Salle, and Washington sts., James R. Ashley, prest., Win, H. Taylor, seey., treas and mgr., cap. stk. \$5,000,000. Riddles. Shart, tunnel and open pit, owtons, steam, Will Q. Brown, supt.

### PRECIOUS STONES

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT. Lows COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTINDENT

Hardman.

Morrow William A. Fisher. Peters, opals,

# Ry, Heppner 776.

## STONE MARBLE GRANITE AND ONYX

LOCATION OF MEA OR QUARRY, RAILWAYS, WALLE BOUTES AND SHIPPING POSTS

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF URINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF WIND OR QUARRY, KIND OF STORF, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARRIE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT

Tons

Forest Grove Washington Forest Grove Stone Co., A. G. Boos, prest., F. H. Heitzhausen, secy.; A. Vosper, treas., J. Hansen, ingr. By, 692. Cap. stk. 850,000. Forest Grove, blue sandstone. Open pit, steam (developing).

Lime Station P.O. Huntington, Rv.

Baker Oregon Marble & Lime Co., Pertland, Ore T. F. Rourke, prest, and mgr., Charles F. Beebe, seey., on Ry, — C.E. S. Wood, treas., Cap. 8tk, \$50,000, Limestone, Open pit, 18,000 tons, hand, kilns, 10,000 tons. W. L. Peaks, supt.

st. Helen Columbia Burke's Quarry, Portland, Ore., 72% Morrison'st. Burke's, basalt rock. (2,000 fons By 552

# PENNSYLVANIA

# COAL ANTHRACITE

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFOUR IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHI BS, COAL OVERS, AND NAME OF MINE SUPPRINCEMENT.
Town and County	
Alaska Northumberland + P. O. Strong, Pa.) - Ry, 578.	Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 27 8 (Fourth St., A. A. Melleod, prest, and gen, ingr., Franklin P., Kaarcher, seev., W. A. Church, freas. Alaska, 188,bd tons, steam, breaker and washer. John Verff, supt.
Alden Station Luzerne Ry, 118.	Alden Coal Co., Richard Sharpe sr., prest. George H. Myers, seev., Richard Sharpe jr., treas. Cap., 8tk, 8200000, Alden. Tunnel and shart, 200,000 tons, steam, breaker. K. M. Smith, supt.
Archbald "Lackawanna Ry, 213, 505.	Delaware & Hudson Canal Co., Seranton Pa., 200 Providence pl. R. M. Olyphant, prest., P. M. Olyphant, sep. C. A. Walker, Items. H. C. Avont, jungt. Cap. 8th, 80000400, White Oak, Slope and Immels, below for seven and for present presen
	Riverside Coal Co., Seranton, Ph., Jas. J. W.Piams, prest. Thos, F. Jones, seey, and treas, John Reese, mgr., Cap. stk. \$200,000, Riverside, 425,000 tons, steam, breaker. Thos J. Williams, supt.
Ashfand Ry, 393, 578,	Philadelphia X Beading Coal X Iton Co. Ph. Sadelphia, Pa. 127-8. Foothest: A. A. McLeod, prest and ngt. T. P. Kaercher, seey., W. A. Church, treas. Bast. 348,720 tons, steam, breaker and washer, John Veith, supt.
Ashley Luzerne Ry, 118.	Lehigh & Wi'kes Barre Coul Co., New York City, Central 17(4), J. R. May vol., prest . W. I. Zell, serv, and Ireas., Ulmer H. Lawall, supt. Jersey, No. 8, Slopes, 15,775 tons. steam, breaker. M. R. Mergans, supt.
Anderraed Carbon Rv, 395, 578.	C. M. Dodson & Co., Bethlehem, Pa., C. M. Dodson, prest. A S. S. hropp, seev, and treas. E. I. Ballock, mgr. Cap. 820,000. Beaver Brook. Sope. 20,000 tons, steam, breaker and washer. D. J. Thomas, sipit.
	Lehgh X Wilkes Battertoal Co., New York Cay, G. Liberty St., J. R., Maxwell, prest., W. T. Zell, seey, and treas. J. H. Lawall, mgr., Hency Brook., Slopes, Logertons, steam, breaker and washer. D. P. Roberts, supt.
Avoca "Luzerne Ry. 213, 252, 39	Avora Coal Co., Ltd., C.C., Bowman, prest F. F. Bowman, seev. and treas. W. H. Hollister, high. sth., \$10,000. Avora. Shatts, slope, and tunned, however of steam, attacket. Solomon Dockle, supt.
	Florence Coal Co., Etd., Scranton, Pa., 22 Lackawannaay, W. B. Whitney, prest. T. P. Kagsbury, seev. Class. P. Matthews, Gray., Asst n. Moore, fugr. and supt. Cap. 8th., 88 000 (1) inwood. Shaft, 156, 50 tons, Steam, Stracket.
	Tangeliffe Coul Co., Scranton, Par, Lackawanna av. R. t. Brooks, prest. J. R. Brooks, Seev., J. A. Wears, treas. Jangel Re., Shaff and found lasteam, breaker.
Benyer Mendows Carbon Ry, 395,	William I Carter & Co., Plabadelphia, Pa $_{\star}$ 00; Wabinit st. (Cap. Siouxo). Colerane. Stopes, 120,000 tons steam breaker
	(tox) Bros. A to., Duffon, Par. Cross Creek College's "Tunnel" permitting steam, coul breakers and washers, A. B. Coxe, supt.
	Evans Mining to H. J. Boardman, prest, Chas. Ha. 21, serv. John D. Lyans, treas, mgr. and supt. Cap. sik. 8150001. Evans. Stop., 50,000 tons. steam. 60, ake t. Cish. 2.
Betinger Survium Ry, 200	State Line & Sull'Agin R. R. Co., Lovanda, Fa. J. Raymond Carlined, 1993. O. A. Balden, seek, and trials. J. O. Efght, near and supf. Cup. 8th Structure. J. Brace. J. Brace Jones. Securi Strum. Breaker and Wisher.
Blackwood Schuylk B By 570, 393	Lehigh Valley Control, Philadelphia Ph., 2288 [Heydest: 14 sta, P. Weere, prest of R. Fanshawe, serv. Who C. Viderson, treas. W. A. Lathrop, ingreated short (cape six solution). Elackwood, 8,600 tons, steam breaker.
Branch Dale Schuylkill Ry, 578.	Pinladelphia A Reading Coul & Iron Co., Philadelphia, Pa. 27.8, Fourth st., A. A. Welcod, prest, and ingr., F. P. Kaercher, seev., W. A. Church, treas. Offor 115, 90 forms, steam, breaker. R. C. Lather, supl.
P O Lost Creek 48 578.	Lehigh Vailey Cod Co., Philadelphia, Pa., 28/8. Third St. I. Sha P. Willon, prest, J. R. Fanshawe, Seey., Win, C. Viderson, treas. W. V. Luthrop, mgr, and supt. Cap. 8th 8526000. Packer No., 3 Col. hety., 91,360 forms. Status. 07,530.
Car bondale - Lackawanna Rv. 213, 500 and 505	Delawate & Hudson Camattee, Secanton Para, of Provincince pt. R. M. Olyphant, press, et al., C. Wadas, Lures, H. G. Vocas, and . Cap six sociogone (United and Provincia Vologa, Conf. Brook, W. Son Crock and Rackett Brook, Landes, and Carbondale Nos Landes sharts, expositions, standard bross, predacts, Andre & Neel, sipa.
	Northwest Coal Co., Scianton, Par. C. D. Sangson, perst. A. L. Levis, seev. J. H. Walkars, treas. Capsitk storage. Northwest. Sope. occurrons, steam breaker. James L. Chivtorl, Supr.
	Strond & Chamberlain, Belmont st, and Onk av. (6-1) Chamberlaeu, mgr. (r.e. supt Cap. stk. 850,000 Outario and Belmont, "Slope and tunnels, os,000 tons" steam - (reaker)
	Wm. P. Williams, 1008, Church st., Cap. \$1,000. Tunnel 40,000 fors, dianel. bleaker
Centralia – Columbia RV 3%	Lehigh Valley Coal Co., Pluladelphia, Fa., 28 8. Hurd st., Fasha P. W. Pair, prest. J. R. Lansha ve- seey., Win, C. Alderson, treas. W. A. Lathrop high and supt. Cap stk. 859,000. Continental
	Philadelphia & Reading Coul & Iton Co., Philadelphia, Pa. 2.7.8 Fourth st. A. V. Mel cod, prest, and gen, mgr., F. F. Karrehet, see V. W. V. Charch, freus. North Ashland. "Corretons steam freuner and vasher, John Veili, supp
Coaldale Schnytkill Ry, 11s	Lehigh Coul & Navgation (c), Philadelphia, Pa. 2, 18. Third st., Joseph S. Harris, press. 8. Stopherd seer and from, W. D. Zehner, Ing. 3, 09, 848, 347, 55, 66. Leh Jr. Nos. 8, 0, 10, 23, 97, 97, 98, 98, 99, 100, 13, 97, 97, 98, 98, 98, 98, 98, 98, 98, 98, 98, 98
A. A.	

Detringer Line for each Block X Co. Cross Crock Shall, Proceedings Shall, Brock Sha

## COAL-ANTHRACITE (CONTINUED)

LOCATION	OF MINL,
RAILWAYS, W	ATER ROUTES
AND SHIPP	ING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED. COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.

Town COUNTY ANT

- Drutton Luzerne, Coxe Bros, & Co., Cross Creek., Shaft, 192,000 tons: steam., E. B. Coxe, smit-Ry, 118, 393,
- Lackawanna Murray & Co. M. J. Murray, prest, and supt.; Thomas Brown, seey.; John Carney, treas.; A. J. Murray, mgr. Cap. stk, \$25,000, Murray's. Shatt, 25,000 tons; steam; breaker, Dunmore: Ry. 252. Durvea

Luzerne Babylon Coal Co., Scranton, Pa. T. H. Watkins, prest.; W. G. Parke, seey., C. D. Simpson, treas. Cap. 65, 820,000. Babylon, Shatt, 225,000 tons; steam, breaker, James L. Crawford, supt. Ry, 200, 252, 393. Old Forge Coal Co., Etd., New York City, I Broadway. John A. Mears, prest, and mgr.; J. Alton Davis, seey., C. S. Crane, treas. Cap. stk, \$50,000. Columbia and Phoenix. Shatts and tunnel, 300,000 fone; steam, breaker,

Eagle HTI 393, 563, 570, 578.

gle H\*H — Schuylkall Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 S. Foarth St. A. A. McLeod, prest, and Rv. and P.O. Pottsville — mgr., F. P. Kaercher, seey., W. A. Church, treis. Eagle Hill. 167,000 tons; steam; breaker. R. C. Luther, supt. Luzerne Cove Bros, & Co., Dr. Hon, Pa. Cross Creek Collieries. Slope, 192,000 fons; steam; breakers and washers.

Ry, 118, 393, Edwardsville fanzerne Ry, and P.O. Kingston 200

The Kingston Coal Co., Kingston, Pa. Daniel Edwards, prest, and mgr.; Elliott R. Morgam, seey, and treas. Cap. stk. \$1,000,000. Kingston. Shafts, 500,000 tons; steam and compressed air; 2 breakers. treas. Cap. stk. \$1,000,000 G. Willym Edwards, supt.

Exeter Luzerne Ry. Pittston 200, 213,

Excelsior Northumbethid Excelsior Coal Co., Shamokin, Pa. A. Robertson, prest.; C. W. Kingsley, seey, and treas.; A. D. Robert-lly, 578. Son, mgr. and supt. Excelsior. Slopes and tunnels, 208,000 tons, steam and horse; breaker,

Lehigh Valley Coal Co., Philadelphia, Ph., 228 S. Third St., Elbsha P., Wilbur, prest., J. R. Fatishawe, seey., Win, C. Alderson, treas., W. A. Lathrop, mgr, and supt. Cap. 8tk, 8550,000. Exeter. Shaft, 47,225 tons, steam, breaker. Stevens Coal Co., Pittston, Pa. (West Sale). Mito J. Wilson, prest., C. W. Wesner, seey.; F. E. Stevens, Iteas., A. B. Stevens, mgr., Cap. stk. \$200,000. Stevens. Slope; steam, breaker (developing).

Lackawanna Ry, and P. O. Carbon-dale 213, 502.

E. B. Coxe, supt.

John Marrin. Fall Brook. Tunnel, 1,999 fons, steam; breaker,

Gilberton Ry. 568, 578.

- Schnylkill Draper Collery, Pottwille, Pa. H. L. Williams, gen. mgr, and supt. Cap. \$500,000. Draper. Slopes and framels, 220,000 tons, steam; coal breaker and washer.
  - Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 S. Fourth st. A. A. McLeod, prest, and mgr., F. P. Kaercher, seey., W. A. Church, treas. Gilberton. 255,500 tons; steam; breaker. John Veith, supt.
  - Chas, E. Breckons, prest., Guy C. Irish, seey, and treas.; Win, J. McCarthy, mgr, and k, 825,000. Stoddart, 75,000 tons, steam, breaker and washer, Stoddarf Coal Co. supt. Cap. stk. \$25,000.

Grandville, Ry, 393, 578,

Schuylkill Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227-8. Fourth St. A. A. McLeod, prest, and mirr., F. P. Kaercher, seey., W. A. Church, freas. Preston Nos. 2 and 3, Girard and Hammond. 296-800 tons, steam, breakers. John Avith, supt.

131.

Schuylkall Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 S. Fourth st. A. A. McLeod, prest, ingr., F. P. Kaercher, secy., W. A. Church, treas. Richardson, 13,500 tons, steam, breaker. 1 nigr., F. I. K Luther, supt. . Luzerne Coxe Bres, & Co., Drifton, Pa. Cross Creek, 192,000 fons; steam, coal breakers and washers, E. B.

Ry. 563. Harwood

Luzerne Pardee Sons & Co., Lattimer Mines, Pa. C. Pardee, ingr. Cap. \$500,000. Harwood. Slopes, 215,000 tons, steam, coal breaker and washer. A. W. Drake, supt.

Ry 558. Highband. P. O. Jeddo) Ry. 393.

Luzerne, G. B. Markle & Co., Jeddo, Pa. Highland, Nos. 1 and 2. Slopes, 200,000 fors, steam; coal breaker. John

Luzerne O. Lattaner Mares) Ry 578.

Markle, supt. Calvin, Pardee & Co., Lattimer Mines, Pa. C. Pardee, mgr. Cap. 8500,000. Hollywood. Slopes, 220,000 tons, steam, coal breaker and washer. A. W. Drake, supt.

Bumboblt Luzerne P.O Hazelton Ry. 393. Linderman & Skeer, South Bethlehem, Pa. Cap. 81,200,000. Humboldt Mine. Slope, 84,000 tons; steam and horse, breaker. Jas. E. Roderick, supt.

Loudett Schoot Ball Toy and P O, Pottsyille 578, 393, 563, 570,

Philadelphia & Řeading Coal & Iron Co., Philadelphia, Pa., 27 S. Fourth St., A. A. Metheol, prest, and mar., F. P. Kaercher, seey., W. A. Church, treas., Good Spring, 54,000 tons, steam, breaker, R. C. Luther, apt.

Ex. 118 .393

Luzettie G. B. Matkle & Co. Jeddo Nos, 3 and 4. Sharts, 299,200 tons; steam, coal breaker. John Markle, supt.

Jermyn. Ity 213, 505.

Lackawatina Delaware X Hudson Canal Co., Scraulon, Ph., 230 Providence pl. R. M. Olyphant, prest., F. M. Olyphant, steep., C. A. Walker, treas., H. G. Young, ngr. Cap. 4tk, 800,0000, Jermyn No. I shaft, 19, 840,000,000, Jermyn No. I shaft.

Edgerton Coal Co., Ltd., Scranton, Pa. C. D. Sampson, prest., T. H. Watkins, seey., W. G. Parke, treas. Cap. stk, \$20,000. Edgerton. Tunnels, 250,000 tons, steam: coal breaker. Jas. L. Crawtord, supt. Westside Coul Co. S. D. Davis, prest, and mgr., J. Alfon Davis, seey. Cap. \$4,000. Sunshine. Tunnel, 10,000 tons, steam, breaker. John F. Nicholson, supt.

Knigston Ry. 209.

Jaizerne Lehigh Valley Coal Co., Plutadelphia, Pa., 228 S. Third St. Elisha P. Wilbur, prest.; J. R. Fanshawe, seev., Win. C. Alderson, treas., W. A. Lathrop, mgr. and supt. Cap. stk. 850,000. Malifby. Shaft. seev., Wm. t. Alderson, tre al.500 tons, steam, breaker.

Latter

Luzerne Annora Coal Co., Wilkes Barre, Pa. Charles Parrish, prest, and mgr., Wm. C. Allen, seey., Theo, F. Ryman, treas Cap. 8tk, 8500,000. Annora. Slopes and tunnels, 165,000 tons, steam, breaker. John Ryman, treas Cap. N. Conyngham, Supt.

Laustord

- Carbon Lehigh Coal X Navigation Co., Philadelphia, Ph., 234-8. Third st., Jos. S. Harris, prest., S. Shepherd, seev, and treas., W b Zehner, mer, and supt. Cap. 8tk, \$14,355,550. Colherus, Nos. 1,5 and 6, 240,000 tors, steam and horse, breaker
- Lattimer Mines Lazerne Pardec Bros & Co. C. Pardec, mgr. Cap. 8500,000 Lattimer. Stopes, 215,000 tons, Steam, breaker and By Malnesyille 303 washer. A. W. Drake, supt.

### COAL ANTHRACITE-CONTINUED

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Laurel Run
O. Wilkes Ry, Ashley 118.

Luzerne - Red Ash Coal Co., Wilkes Batte, Pa., 18 Coal Evchang ( ) Coo H. Pattish, prest. W. Leavenworth, seey, so Barret - and treas., W. B. Williams, mgr. Cap. 8th, \$500,000, Red Ash, Nos. 1 and 2. Slopes, 358,400 tons, stema, 2 breakers, P. H. Garraham, supt.

Luzerne Ry. 118.

Newport Coal Co., Willkes Barre, Pa. Chas. Parrish, prest, and nigg.; Wm. C. Allen, sery, and treas. Cap. 8tk, \$500,000. Newport. Slopes, \$5,000 tons, steam, coal breaker. John Williams, supt. Llewellyn ... Schaylkill Albright Coal Co. James Archbald, prest., Joseph A. Archbald, seey, and (teas. Cap. 8tk, 820,000, Ry, 578.
Slope, 200,000 tons, steam, James Archbald jr., supt.

Locust Date 12x 578

Schuylkill Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 8. Fourth st. A. A. McLeod, prest, and mgr., T. P. Kaercher, seey., W. A. Church, treas. Keystone and Potts. 55,000 tors, steam, breaker. mgr., F. P. Kaere John Veith, supt.

Locust Gap Northumberland Ry, 303, 528, 578.

Philadelphia & Reading Coal & Iron Co., Philadelphia, Ph., 27–8, Fourtlest, A. A. Melzeel, prest, and maj., V. P. Kaercher, see, A. W. A. Church, treas. Monitor, Locost Gap and Jonest Spring, 40,299 tons, steam, breaker, John Verlit, sept. Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 8, Fourth st., A. A., McLeod, prest, and jugg.; F. P. Kaerehet, seey., W. A. Church, treas. Mertiani, 129,000 tons, steam, breaker, John

Locust Summit Northumberland P.O.Pottsville Ry.578. Lorberry Ju Schnytkill

Philadelphia & Reading Coat & Iron Co., Philadelphia, Pa., 227 S. Fourth St. A A. Wellcool, prest and mgr., F. P. Kaercher, seey. W. A. Church, treas. Old Lincoln. 482,800 fors, steam, breaker. R. C. Luffler, supt. (P. O. Rayme Ry, 578.

Lost Creek : Ry 393, 578.

Schuylkill Lehigh Valley ( oaf Co., Philadelphia, Pa., 228 8, Third st., Eiisha P, Wilbur, prest. J. R. Fanshawe, seey., Win. C. Alderson, treas., W. A. Lathrop, ingr. and supt. Cap. 8tk, 8d50,000. Packer Nos. 2 and seey., Win. C. Alderson, treas., A 4, 223,000 tons, steam, breaker.

Luzerne Hy, 395.

Luzerne Plymouth Coal Co., Wilkes Barre, Pa., Coal Exchange. Black Duamond. Shaft. 250,000 tons. steam and compressed air, breaker. James B. Davies, supt.

Lykens Ry, 528.

Damphin, Lyken Vadley Coal Co., Plutadelphia, Fa., 222 S., Fourth St., J., J. Wistar, prest. N. Whiteman, seey., A. Hayiland, trens. J. A., Steuris, mgr., Short Womdan., Lumel, datt. and slopes, 275000 tons, steam and electricity, breaker and wischer. T. M. W. Chanis, suppl.

- Mahanoy City Schuyikill Philadelphia & Ecading Cool & Iron Co., Philadelphia, Ph., 227 S. Lourth St., A. V. McLeod, prest, and nigr. F. E. Kaerchelt, seep. W. A. Church, Breas. Elmwood, Walhanoy, ethyl. North Walhanoy, Schuyikill, Junuel Kalg. Walhanoy and July House. Science fore, science benchem benchem. John N. eth.
- Millianoy Plane, Schuy Rill. Philladelphia & Randing Coul & Iron Co., Philladelphia, Pa., 227 8, Fourth St., A. V. Mel, sell, prest, and mgr., T. P., Kagercher, Seev., W. A., Church, Reas. West, Bart, Ridge, 88,000 fors. Steam, breaker, John Verth, supt.

Maple Dale pie 13.00 — Semiyakra P. O. and Ry. Potts-ville 578, 593, 563, 570.

Schnykk'l Platadelphia & Reading Coal & Iron Co., Platadelphia, Pa., 25.8, Lorith st., A.A. McLeon, prest and Ry, Potts:

mgr., T. P. Kaerelher, see., W. A. Chitteli, treas, F. Plangowan, (b.,285 tons) steam, breaker, John mgr., F. P. Veith, supt. Moosie Mountain Coal Co., Scranton, Pa. T. B. L., sene ng. prest. W. W. Watson seev., Chas. P. Ford, mgr, and supt. Cap. stk. s100,000, Moosie Mountain. Sope and drifts, 75,000 tons. steam. btraker. MacShwood Lackawanna

Ry. Dickson City 213 Middle Creek Schuylke!

Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa. 127 8, Fourth St., A. A., Wellend, prest and ingr., F. P., Karecher, seey., W. A. Charch, treas. Middle Octob., 81 att, 5200 (1008) Steam, breaker, R. C. Luther, supt.

P. O. and Ry. Potts ville 578, 393, 562, 579. Middleport Rv. 578.

Schnykill Lehigh Coal & Navigation Co., Philadelphia, Pa., 23 S. Thard st., Jos. S. Hatris, prest. S. Shepherd, seey, and treas., W. D. Zehner, mgr, and supt. Cap. 8th, 80, 58650. Kaska William, 57,000 fors steam and horse, breaker.

Malnesvalle Ry. 393.

Lüzetne, A. S. Van Wiekle, Hazleton, Pa. Cap. Sautico, M. Juesville. Slope and open pit. 25 gete tons. steam. breaker and washer. J. I. Hoffenbeck, sapt.

Money Wills Hy. 213.

Luzerne Delaware & Hudson Canal Co., Seranton, Pa., 253 Providence pt. R. M. Olyphant, prest. I. M. Olyphant, seey., C. A. Watker, treas. B. G. Voning, ngr. Cap. 8th 820,000,000. Pine Ridge. Shatt, 18000 torus, steam and horse, broaden. Andrew Need, sing.

Luzerne

Wanhiell & Co., Pattston, Pa., Cap. Storono, Hennett, Shatt, 72,000 tons, steam, breaker, Robert Me-Cutchin, supt.

Mocamaqua Luzees. O Shiekshiiniy Rv 563,

West Lind Coul Co., Shiekshamiy, Pa. Chas. M. Conyngham, prest. Wir. C. Allen, seey. M. H. Arnola, treas, John Teaskale, mgr., Cap. stk., 890000; West Find. Trainel, 220000 fors. steam. breaker, Lewis L. Sarge, spil.

Moosac Ry. 213,

(Lackawanna, Robertson & Law, Cap. 815,000, Katy Did., Slopes, 25,000 fons, steam, breaker - John Hostie, supt.

Morea Schuylkil P. O. Morea Colliery

Schnylkill, Dodson Coal, Co., Bethlehem, Pa., C. M., Do Ison, prest, Josiah Bachman, serv, and (teas). F. L. Bethlehery:

— lock, ingr., and supt., Cap. stk. stc.nov. — Morea. Scope and open pil, 1900 Cotons, steam — coal breaker. Mitearmel Northumberl'd Terndale Coal Co. T. J. Phillips, mgr. and supt. Cap. 8tk, 810,000. Terndale. Slopes, 100,000 fors. By, 393, 528, 578.

Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227–8. Fourth st and gen mgr., U.P. Kaerchet, seey., W. A. Church, treas. Reliance 1599 and washer. John Vetth, supt. h st. A. A. McLend, prest 130,000 fons, steam, breaker

Thomas M. Righter & Co. Slopes, 150,000 tons, steam, breaker

Mt. Lattee (P. O. Pousville) Ry

Schnykkill, Phitadelphia & Rending Coal & Iron Co., Philadelphia, Pa., 2578, Fourth st. A. A. Wellend, prest, an (sydle) Ry. — mgr., T. P. Kaerchet, secy., W. A. Church, treas. [Beachwood], 66,000 tons. steam. [breaker = R. C mgr., T. P. K. Luther, supt.

Luzerne Susquehanna Coal Co. Trying Stern, mgr. Susquehanna. Shafts and slopes, steam and horse, breaker teorge Morgam, supt. Nanticoke RV, 503, 115.

Nesquehoning , Carlon Belegh Coal & Navigation Co., Philadelphia, Ph., 234 S., Thard St., Joseph S. Hactis, prest S. She By, 118.
By, 118.
Left Seevy, and Treass, W. D. Zelliter, mar and supt. Cap 8th 844, 389 to Coll cry No. 1, 250,550 for separational flows. Discaster and washer.

LOCATION OF MINE.

DAILWAYS WATER ROUTES

AND SHIPPING POINT.

Ry, Hazelton 393, 563.

Ry, 118 and 213.

Olyphant Lacka Ry, 213 and 505.

Oneida

Peckyille Ry, 505, 213. COUNTY.

# COAL ANTHRACITE (CONTINUED)

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED.

COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Orlando S. Johnson, Seranton, Pa., P. O. Box 425. Cap. \$250,000. Green Ridge. Slope, 150,000 tons; steam; breaker. Wm. S. Boyd Sr., supt. Lackawanna Coal Co., Seranton, Pa., P. O. Box 425. John S. Law, prest.: E. B. Sturges, seey, and treas.; O. S. Johnson, gen. mgr. Cap. \$400,000. Lackawanna. Shatt, 350,000 tons; steam. Wm. Harper, supt. Moosie Mountain Coal Co., Serantou, Pa. E. B. Leisenring, prest.; W. W. Watson, seey, and treas; Charles P. Ford, mgr. and supt. Cap. stk. \$100,000. Moosie Mountain. Slope, 100,000 tons; steam; breaker and wisher.

Lehigh Valley Coal Co., Philadelphia, Pa., 228 S. Third St. Elisha P. Wilbur, prest.; J. R. Fanshawe, seev., Wm. C. Abderson, trens.; W. A. Lathrop, augr and supt. Cap. 8tk. \$650,000. Mmeral Spring and Coal Frook. Slopes, 30,500 tens; steam: Dreaker.

Jackawanna Delaware & Indson Canal Co., Scranton, Pa., 299 Providence pl. R. M. Olyphant, prest.; F. M. Olyphant, seev.; C. A. Walker, treas; H. G. Young, mgr. Cap. 8tk, \$90,000,000. Eddy Grock, Grassy-kland and Olyphant No. 2, 8thats, 200,400 tons; steam and horse breaker. Andrew Wicol. supt.

Schuylkill Cove Bros, & Co. Cross Creek. Slope, 199,000 tons, steam; breaker and washer. E. B. Cove, supt.

Lazerne Delaware & Hudson Canal Co., Scranton, Pa., 2301 Providence pl. R. M. Olyphant, prest.; F. M. Olyphant, seey., C. A. Walker, treax., H. G. Young, mgr., Cap. 8th, \$30,000,000, Laurel Run. Slope, 183,000 (1988), steam and horse; breaker, Andrew Nicol, 8upt.

Lackawanna Blue Ridge Coal Co., Scranton, Pa., 12 Library Block. James N. Rice, prest, and mgr.; H. C. Reynolds, 213. seey., N. E. Rice, treas. Cap. 8th, \$100,000. Blue Ridge. Slope and shaft, 200,000 tons; breaker.

Ry. 505, 213.	seey., N. E. Rice, treas. Cap. stk. \$100,000. Blue Ridge. Slope and Shaft, 200,000 tons; breaker.
	New York & Scranton Coal Co., Edward B. Sturges, prest; John B. Kerr, v-prest.; W. W. Paterson, seey., supt. and mgr. Cap. stk, \$500,000. Ontario and Sturges. Shatts, 100,000 tons, steam and electricity.
	Rush Brook Coul Co., John S. Jenkins, prest, and mgr.; E. H. Coray fr., seey., John F. Collier, treas, Cap. 8tk, \$100,000. Rush Brook. Shaits and tunnel, 100,000 tons; steam; breaker. Thomas Langan, supt.
	Sterrick Creek Coal Co., Seranton, Pa., 118 Wyoming av., J.J., Albright, prest.; James Archbald jr., seey., ingr. and supt.; Wm. T. Smith, treas. Cap. stk. \$100,000. Sterrick Creek. Shafts and drift. 150,000 tonse: steam; breaker.
PhoenxPark Schuylkill Ry, and P. O. Pattsville 393, 563, 570, 578.	Philadelphia N Reading Coal & Iron Co., Philadelphia, Pa., 227 S. Fourth St. A. A. Melleod, prest, and mgr.; F. P. Kaercher, seey.; W. A. Church, treas. Phoenix Park No. 3, 42,000 tons; steam; breaker, R. C. Ludder, supt.
Pine Grove Schuylkill Ry, 578.	John D. Filtz. Cap. \$1,200. Big Diamond. Open pt. 4,801 tons; horse. Samuel Gay, supt.
	Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 27 8, Fourth St. A. A. McLeod, prest; Franklin P. Kaercher, seey., W. A. Church, treas, C. E. Henderson, mar. Lucoln. Slope, 400,000 tons, steam, breaker and washer. John Magnure, supt.
Pittston Luzerne Ry, 209, 213, 303,	Battler Mine Co., Ltd., Cormug. N. A., 200 Pine 81. A. Houghton 1r., prest., S. B. Bennett, seey, and mer.; O. W. Bamp, treas. Cap. Sek, Souon. Butler, Schooley and Fernwood. Shatts, 225,000 tons. Steam; breaker, Richard Applichy, Supt.
	Clear Spring Coal Co., 203 Exeter st. John L. Cook, prest, ingr. and supt.; W. H. Gerhart, seey., A. Mel, Dermott, treas. Cap. 8tk, \$20,000. Clear Spring. Shatt, 50,000 tons, steam, breaker.
	Leliigh Valley Coal Co., Philadelphia, Pa., 228 S. Third St. Elisha P. Willour, prest, J. R. Fanshrave, seey., Win, C. Alderson, treas., W. A. Lathrop, mgr. and supt. Cap. 8tk, 8650,000. Heidelburg, Shaff and Slope No. I. 6,0000 forc, steam, breaker.
	Newton Coal Maning Co. F. T. Patterson, prest. E. L. Fuller, seey.; Win, Hill, treas., John A. Mears, mgr. Cap, sik, 200,000. Seneca, Ravine and Iwin. Shafts, anoneotous; steam, breaker. J. Michael Lamaglian, supt.
Plainsville Luzetne Ry, 393.	Delaware & Hudson Canal Co., Seranton, Pa., 2301 Providence pl R. M. Olydant, prest., F. M. Olyphant, seep., C.A. Walker, treas., H. G. Young, mer., (ap., stk., \$50,000,000. Mill Creek and Delaware, Slope and Shaft, 25,3,00 tons.), steam and horse; breaker. Andrew Nicol. supt.
	Lehigh Valley Coal Co., Pluladelphia, Pa., 228 South Third St., Elisha P., Wilbur, prest., J. R. Fanshawe, seey., Win. C. Alderson, treas., W. A., Lathrop, mgr. and supt. Cap. 8th, 8550000. Enterprise, Prospect, Onkwood, Henry and Makale. Shafts and slope, 382000 tons; Steam, breaker.
Plymouth Luzerne Rv 200	Delaware & Hudson Canal Co., Seranton, Pa., 2001. Providence, pl., R. M., Olyphant, prest., F., M., Olyphant, seey., C. A., Walker, treas., H. G., Young, mgr., Cap. 8th, 800,00,000. Tooton and Plymouth Nos. 2.3, 4 and 5. Sharts, 629,000 tons, steam and horse, breakers. Andrew Neod, supt.
	Kingston Coal Co., Kingston, Pa. Daniel Edwards, prest, and mar., Elliott R. Morgan, seey, and frens. Cap. 8th. 81,000,000. Gaylord. Slope, 400,001 fous, steam and compressed air; breaker and washer, toronge Picton, supt.
	Lehigh & Wilkes Barre Coal Co., New York City, Central Bildg. J. R. Maxwell, prest; W. F. Zell, seey, and treas. Fluer H. Lawall, gen. supt. Lance No. H. Nottingham No. 15 and Reynolds No. 16, Shatts and slope, L000,000 tons, steam, breakers. M. R. Morgans, supt.
	Patrish Cod Co., 25 W. Main St. Chas. Patrish, prest., Geo. P. Landsay, serv., H. H. Ashley, treas, and nigt. Cap. 8th, 8500,000. Partish. Slopes, 360,000 tons, steam: breaker. Thos. R. Evans, supt.
	Plymouth Coal Co., Wilkes Farre, Pa., Coal Evchange - Dodson. Shatt. 250,000 tons, steam and compressed and 4 breaker. James B. Davies, Supt.
Pottsva.a Schuylkill Rv 96, 578, 597, 570.	Lehigh Vailley Coal Co., Philadelphia, Pa., 28 8 Third st. Elisha P. Wilbur, prest., J. R. Fanshawe, sery., Win. C. Alderson, treas. W. A Lathrop, mgr. and supt. York Farm.
Priecburg Lackawanna Ry.V.dleyJunction 213,	John Jermyn, Scranton, Pa., 11: Wyonang av. W. M. Jermyn, ngr. Jermyn Nos. 3 and 4. Shatt and slope, steam, breakers. E. B. Jermyn, supt.
In a state south contain,	Lehigh Vaffey Coal Co., Philadelphia, Pa., 228 S. Third St., Flisha P. Wilbur, prest., J. R. Fanshawe,

### COAL ANTHRACITE—(CONTINUED)

Loca	TION OF	MINE,
		R ROUTES
AND F	HIPPING	POINT.
Town	AND	COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT.

Raven Rum. . . . . Schnylkill | Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227 S. Fourth St. A. A. McLeod. prest. and mgr.; F. P. Kaererher, seey.; W. A. Church, treas. Grard Manmoth. 42,000 tons. steam, breaker, John Veith, supt

Bendham Ry. Minooka, 200, 213, Ridgewood .

Lackawanna Jermyn & Co., Scranton, Pa., 119 Wyoning av., Cap.\$1,000,000, Jermyn Nos, Uand 2. Shafts, 500,000 tons; soka, 200, 213. steam; 2 breakers. Samuel Baket, supt.

Ry, 563, 820, St. Char.

Luzerne Keystone Coal Co., Wilkes Barre, Pa., 202 E. Market St. S. L. Brown, prest., Chas. H. Gardner, seey, and treas, Cap. 8tk, 800,000, Keystone, Slope, 10,000 tons, steam, breaker. James H. Hughes, supt. Schnylkill, Elm Creek Mining Co., Scranton, Pa., Commonwealth Bidg, Win, H. Taylor, prest., E. P. Kingsbury,

Ry, 563 and 578.

seey, and treas. Elm Creek. Shaft oleveloping a Philadelphia & Reading Coul & Iron Co., Philadelphia, Pa., 227 8, Fourth st. A. A. Mel.cod., prest, and mar., F. P. Kaercher, seey., W. A. Church, treas. Time Forest and Lagle. (1,550 tons, Steam) breaker, R. C. Luther, supt.

St. Nicholas Ry. 578

, Schnyikali Philadelphia & Reading Coul & Iron Co., Philadelphia, Ph., 27 S. Fourth St. A. A. Melcod, prest, and magr., F. F. Kaspeller, Seyl, W. A. Church, treas, Boston Rim, Berr Rim, St. Nicholas, Sulfock and Maple Hill. 393, 200 tons, steam breakers, John Verfft, spt.

Sandy Run To , 118, 393.

Luzerne, N. S. Kemmeret & Co., Samdy Ram., Slope, 110,000 tons, steam, breaker and washer. Walter Leisenring, supt.

seranton Ry, 118, 200, 213, 505,

- Lackawanna - Clark Tunnel Coal Co., 249 W. Market St. Cap. 8tk, 810,000. Clark. Tunnel, 5,009 tons, 8feam, breaker, 200, 213, 505. James Flynn, 8upt

Delaware & Hudson), anal Co., Scranton, Pa., 200 Providence pt. R. W. Olyphant, prest., F. M. Olyphant, seey., C. V. Malker, treas., H. G. Vonna, mer. Crp. 8tk, 84 (2004). Duckson, Legalit's treek and Maryine sharts. Von Sturch. Shart and Slope, 89,800 (1998). Sturch breaker. Andrew

Elhoff, Met hire & Co., 323 Quiney av. Edward A. Sibley, treas., James C. Met hire, mgr. and supt. Sibley, Shalf, 140,000 tons, steam, breaker. New York, Susquelianna & Western R. R. Co., New York City, 15 Cortlandt st. - Samon Borg, prest., J. Rafferty, Seey., R. C. Shimeall, treas., T. P. Moore, 2cm, agt. (1,200,00) tons - Win, J. Lewis, Supt.

Shamokin Northumberl'd, J. Langdon & Co., Elmira, N. V., C. J., Langdon, prest., W. J., Sampson, seey. C. L. Stillman, (teas., Ry, 303, 528, 578).
C. M. Underhill, mgr., Nedson., Shatt, 275,000 fons, steam, breaker, washer. H. S. Gay, supt.

Philadelphia & Reading Coul & Iron Co., Pheladelphia, Ph., 227 8, Fourth's r. A.A. Melleod, prest, and mirr, T. P. Kastelher, seey. W. A., Chinch, Ireas. Buck Robe, Fig. Mountain, Decriess, Henrix Uay, Sterling, Barriside and Bear Valley, 744,000 nos. sterm, breakers and washer. John Voeth, supl. ion Coal Co., Live, Pa. C. II. Strons, prest., W. H. Eaylor, seev., T. W. L. (the treas. Cap. 8th, 840,000). Pennsykanna "H. Rodge and "H. Swamp. Slopes and funnels, 50,000 fons. Steam, a breakers, Holdiert hester, supt.

Ry, 393, 673, 578.

Sherondooli

Ry. 200

Sugar Notch

Schuytkill, Cambridge Coal Co. mbridge Coal Co., C. D. Jones, prest., K. Pierce, seey., Tavid R. James, treas., J. C. Metonius, ingr and supt. Cap, stk 812,000, Cambridge. Drift, 48,000 lons, steam, breaker Philadelphia & Reading to ad & Iton Co., Philadelphia, Ph., 227/8, Fourth st. V. McLeod, prest, and mat., T. P. Kaetchet, seey., W. A. Church, treas., Indam Ralge, Kolimor, Shemandomb (tM. Jur-koy, Romand West) hierarchical, p. 167-124 (1983), strain, berakers, and waker, John Astili, vipt.

Shieleshinniy

Luzerne, E. S. Stackhouse, Salem, Tunnels steam, breaker developing).

Silver Creek — Schuvlkill Ry, New Philade phia 558.

Schwikall, Plutadelphia & Reading Coal & Iton Co., Plutadelphia, Pa., 237 8, Fourth st., A. A., McLeod, prest, and uladelphia — mgr., T. P., Kaercher, Secy., W. V. Church, Geas, Salver Creek, Shart, Steam, R. C. Luther, supt. Luzerne, Coxe, Bros. & Co., Drifton, Pa., Cross Creek, Stope, 192,000 tons, steam, breaker and washer. If B.

Stockton Ry., 393.

Landerman & Skeer, South Bethfehem, Pa. Cap. 81,200,000. Tast Sugar. Loat... Slope. 30,000 fons, steam and horse, breakers. Jas. I. Roderick, supt. Lazerne Leliigh & Wilkes Barro Coal Co., New York City, Central Eldz, J. R. Maxwell prest. W. L.Z.C., seey, and treas., Elmer H. Lawall, gen, supt. Sugar Notch, No. 9. Shaft, 184,00 fors, steam. breaker.

Tayloryide Lackawanna P. O. Manookee Ry.

M. R. Morgans, supt Lackawanna Greenwood Cod Cod Cod Kida Scianton, Pat. P. O. Roy 381. Al. G. Brooks, prest., A. H. Dale, seey and treas 4 noong c. Ry, — Cap. 8th, \$100.000. Green cood. Shatt and drift, 500.00 fors, steam. Greaket. W. G. Thomas, supt.

115, 200. Eaylorsvalle Ry, and P O Potts ville 578, 395, 565, 570,

Schnylkill Philadelphia & Reading Coal & Iron Co., Philadelphia, Pia. 227-8, Louith St., A. A. McLeod, press. J., O., Fofts — ingr. U. F. Karcehet, seev., W. A. Charch, treas. "Gendover" [5, 50 forms steam, breaker E. Luther, appl.

Thou aston Schuyllell Not a P. O. Ry. 7.

Plubadelj hia & Reading Coul & Tron Co., Plubadelphia, Ph., 27/8, Fourth st., A. A. McLeod, pre-t, and ingl., F. P. Kaereher, see v., W. A., Church, freas., Hounaston., store tons. steun. breaker. R. C.

Throup Ry, 505,

Lackawanna Pancoast Coal Co. C. M. Sanderson, prest. J. R. Bellman, scey and freas., C. D. Sanderson, gen sopt. Pancoast. Shatt, 475,000 tons. steam. breaker. J. V. Birtley, supt.

Tomb eken Luzerne P.O. Sugarloat Ry, 20, 563,

Engerne Coxe Russ & Co., Druton, Pa., Cross Creek, Slopes, 192,000 tons, steam, breaker and master, J. B.

lower city Rv 578.

Schnytkill, Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa. 127. S. Fourth, st., A. A. Melleod, prest, and migr., T. P. Kaerelier, seey., W. A. Church, freas. Brookside. (4000) fors. steam. areal et al. C. K. C. Luther, supt.

Fremont 13v. 578

Schnykill Philadelphia & Reading Coul & Iron Co., Philadelphia, Pat. 227/8. Fourth st. A. A. McLeod. prest, and muzi., F. P. Kaercher, seev., W. A. Church, Ireas. Last Frankla, 4, octors st., in "to all ce. R. C. Latther, supt.

Frey eton. Northum's rland IIV 378.

Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 227-8, London St., A. A., McCool per strain, T. P., Kaereiner, Seey. W. A. Church, treas. North Trank at 44,000 feets. slic dimediation Verffa, super.

### COAL-ANTHRACITE (CONTINUED)

LOCATION OF MINE. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, RAILWAYS, WATER ROUTES NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, AND SHIPPING POINT. COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT. COUNTY. Luzerne Lehigh & Wilkes Barre Coal Co., New York City, Central Bldg. J. R. Maxwell, prest.; W. T. Zell, seey, and frens., Effice H. Lawall, gen. supt. Wamamie Vo. 18. Slopes, 63,460 (ons., strain; breaker. M. R. Morzans, supt. Wangana Ry. 118. Midvalley Coal Co., Manch Chunk, Pa. E. B. Leisenring, prest.; Geo. H. Myers, seey, and treas.; Mark . G. Clemens, mgr. and supt. Cap. stk. \$500,000. Midvalley. Slope, 200,000 (tons; steam, breaker. Columbia Wilburton Ry.Mt.Carmel, 393, 578. Delaware K Hudson Canal Co., Scranton, Pa., 2301 Providence pl. R. M. Olyphant, prest.; F. M. Olyphant, seey.; C. A. Walker, treas.; H. G. Voinig, nar. Cap. stk. 83,00,000. Baltimore. Slope, tunnel and shaft. No. 2, 3 and Conyrighm., 23,000 tons, sleam, hower breakers. Andrew Nicel, supt. Wilkes Barre Luzerne Ry. 1 Hs. 209, 213, 393, nover Coal Co. Geo. H. Parrish, prest.; M. L. Dreisbach, secy., and treas., J. Roberts jr., Cap. 8tk, \$100,000. Maftet. Shatt and tunnel, E0,000 tons; steam, breaker. Daniel Lerois, supt. J. Roberts jr., mgr. Hillman Vein Coal Co., Canal St. H. H. Ashley, prest., S. J. Tonkin, seey, and mgr.; Chas. P. Hunt, Ircas. Cap. 8tk. \$200,000. Hillman Vein. Shaft and slope, 120,000 tons; steam, breaker, S. J. Tontreas. Ca kin, supt. Lehigh Valley Coal Co., Philadelphia, Pa., 228 S. Third st. Elisha P. Wilbur, prestr. J. R. Fanshawe, seey.; Win. C. Alderson, treas., W. A. Lathrop, nigr, and supt. Cap. 84k, 8550000. Franklin. Slopes and Borranec, 181000 tons, steam, breaker. Lehigh & Wilkes Farre Coal Co., New York City, Central Bidg. J. R. Maxwell, prest., W. T. Zell, seey, and treas., Elmer H. Lawall, gen. supt. Stanton No. 7; South Wilkes Farre No. 5; Empire No. 4 and Hollenbach No. 2. Mines, sharts and slong, 435290 tons, steam, breakers, M. R. Morgans, supt. Wyoming Valley Coal Co., Coal Exchange Bldg. Israel W. Morris, prest.; J. M. Crane, secy., and treas, Cap. 8tk, 81,300,000. Harvey E. Nos. 1 and 2. Shaft, 225,000 tons; steam, breaker. Alfred Smith, supt. Dolph Coal Co., Ltd. Scranton, Pa., P. O. Box 427. W. G. Payne, prest.; E. S. Dolph, seey.; I. P. Hand, treas.; W. G. Robertson, mgr. and supt. Cap. stk. \$100,000. Dolph. Tunnel, 100,000 tons; steam; Lackawanna Winton Ry. 209, 505. treas.; W Mt. Jessup Coal Co., Ltd., Scranton, Pa., Commonwealth Ridg., E. B. Leisenring, prest.; Chas. P. Ford, Seey.; W. Watson, treas. El P. Conner, mgr. and supt. Cap. 8tk, \$100,000. Mt. Jessup. Slope, 80,000 lons, steam; breaker and washer. Mt. Vernon Coal Co., Seranton, Pa., 2033 N. Main, av. G. M. Lewis, prest.; W. H. Winton, seey.; B. M. Winton, treas, and mgr. Cap. 8tk. \$100,000. Mt. Vernon. Tunnel, 100,000 tons; steam; breaker. R. R. Griffith, supt. Sterrick Creek Coal Co., Seranton, Pa., Third National Bank Bldg. Jos. A. Albright, prest.; James Archbald p., seey., mgr, and supt. Wm. T. Smath, treas. Cap. stk. \$100,000. Sterrick Creek. Shatts Archbald jr., seey., mgr, and supt. W and drift, 300,000 tons; steam; breaker. Winton Coil Co., Ltd., Seranton Pa., 2003 North Main av. W. W. Winton, prest.; A. H. Winton, seey. B. M. Winton, treas, and mer. Cap. 8th, 820,000, S. V. Winte. Tunnel, 140,000 tons; steam, breaker. A. S. Hartham, supt. Lehigh Valley Coal Co., Philadelphia, Pa., 28 S. Third st. Elisha P. Wilbur, prest.; J. R. Fanshawe, soey Wm. C. Alderson, treas. W. A. Lathrop, mgr. and supt. Cap. 8tk, 355,000. Wyoning. Shaff, 8t.0 tons, steam, breaker. Wyomang .Luzerne

Ry, 393, 200,

Mount Lookout Coal Co., Scranton, Pa. T. H. Watkins, prest. W. G. Parke, sery., C. D. Simpson, treas. Cap. 8tk, 8500,000. Mount Lookout. Shaft, 335,500 tons, steam, breaker. James L. Crawtord, supt. ssent Coal Co., Wilkes Barre, Pa., Coal Exchange, Hollenback Bidg. Fred J., Beach, prest;; J. B., Woodward, secy.; J. W. Schuppert, tress., Jacob Schaffert, ngr., Cap. stk. \$10,000. Crescent Mine No. I. Tunnels, 6,000 tons, steam, breaker, David Bell, supt.

Vatesville Lazerne Not a P.O. Ry, Beach-wood Station 578. Schuylkill Vatusville r. O. Pottsville, Ry.

3013

Adman

Philadelphia & Reading Coal & Iron Co., Philadelphia, Pa., 25 S, Fourth St. A. A. McLeod, prest, and mar., F. P. Kaercher, seey., W. A. Church, treas. Knickerbocker. 204800 tons, Steam, breaker, John Veith, supt.

### COAL-BITUMINOUS

LOCATION OF	MINE.
RAILWAYS, WATE	R ROUTES
AND SHIPPING	Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Town COUNTY

> Armstrong Bell, Lewis & Vates Coal Mining Co., Buttalo, N. V. Geo, H. Lewis, prest.: Chas, Clitton, seey, and treas, tady H. S. B. Elliott, nigr. Cap. stk. \$1,00,000. Adram. Slopes, 375,000 tons, steam, 283 coke ovens. J. 8 Fleming, supt.

Ry, East Brady II. Anandate

Butter Hamilton Cannel Coal Co., Boyer's, Pa. Harry Hamilton, treas., W. K. Hamilton, mgr, and supt. Cap., 8th, 825,000. Boyce, Tunnel.

Ry. 588 Antrini Ry. 257

[1692] Fall Brook Coal Co., Corning, N. Y. Geo J. Magee, prest., John Lang, Seey, and treas., Anton Hardt, high. Cap. 848, 800,000. Antrin. Druts, 250,000 fons, horse and steam, washer, 157 coke ovens, 55,000 fons, Jas. Pollock, 8040.

Bakersville Somerset 42. RV

Somerset, E. J. Baker (local). Baker. Open pit, 50 tons. hand. Solomon Ash, supt.

Robert T. Hull (local), Open pit, 2,860 tons, hand,

(P. O. West Ehzabeth Ry . 563.

Allegheny Joseph Wa'ton & Co., Pittsburg, Pa., 134 Water st. J. N. Bunton, mgr. Cap. \$1,000,000. First Pool. Ebzabeth: — Dritt, 40,000 tons: steam, horse and hand. Morris Kapt, supt.

iksville . Allegheny Ry.Pittsburg 11, 42, 175, 563, 584, 583, 585, 502 Banksville

Roger Waitley, Pittsburg, Pa., Carson st., Chas, W. Waitley, seey, and treas., Beecher W. Cap, 8tk, 800,000. Enterprise. Slope, 223,000 tons, steam, washer. John Johnson, supt.

Uresson Rv. 563, 195,

# COAL-BITUMINOUS (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNIAL DUTTPT IN TORS OF 2:00 FOUNDS, KIND OF FOWER USED, COLD REBEARIES, WARRIES, CORE OVERS, AND NAME OF MINE SUTPRINCIPALS.
Town AND COUNTY.	
Banning Fayette Ry, 42, 591,	The Morgan, Moore & Baine, Co., Cleveland, Ohio, 80 and 800 Society for Sayings Bldg. Geo. W. Morgan, prest, C. W. Baine, seey., F. K. Moore, treas. Cap. 81k, 800,000, Baining, Tunnel, 200,000 fores, steam. H. C. Burket, 801,
Bendling Allecheny Ry, 583,	Beadling Bros. Cap. \$200,000. Harreson. Slope, 100,000 tons, steam. Wm. Beadling, supt.
Beaver Palls Beaver Ry, 585, 591,	James Clayton, Eleventhist, docalo. (cap. 812000). Beaver, Fig. 7. Dr. ff. 95620 tons, horse, 3 color ovens,
Beechtree delterson Ry, 85,	Bell, Lewis & Vates Coal Min ng Co., Buffalo, N. V., Geo, H. Lewis, prest, Chas Chitton, seey, and freas., S. B. Effort, mar., cap. sik, shooper, Beechtree. Dr.Hs. #5,000 fons, Steam, breaker, 280 cokerorens. D. Heming, supt.
Bellwood Blair Ry, 563, 566.	Great Bend Coal Co. R. L. Ho'l day, prest., Flemma Holliday, (eey., John L. Bell, treas., mgr, and supt. Cap. 8tk, 82000. Nos. 2 and 4. [Lunnel, 42000 tons; bots].
Berlin Somet et By, 42,	$B_{n}D_{n}Morgan(X,U_{0},-U_{n}J_{n})\\ Faker, mgt, and supt. (exp. 85900). (Berliu) Owen p.f. 3000 tons, hand, where the superior of the sup$
B tumen (Clinton Ry, Westport 563,	Kettle Campetoal Manageton, Wilhamsport, Pa. Henry Patsans, prest, A.C. Russell, serv., F. F. Gilem, trens., Geo. L. Miller, mgr, and supt. Cap. sffs, signore, Kettle Creek, Peatr Fourretons, horse.
Blacksville Indoma Rv. 563.	Maher Coal & Coke Co. Thomas Maher, Supt. Maher. Open pd. 3450 (tons. horse.
0	J. M. Turner. Cap. 825,009. Furners. Dr. it, 25000 tons, hand and horse,
B) Slon Clearfield By, 563,	Leonard & Craig. Cap. \$10,000. Sterling No. 2. Drift, 31,000 tons, steam. We had Craig, supt.
	John Maurice & Son. Cap. 8th (8,200). Terridale Open pit, togog fors, horse, John V. Jones, 8upt.
Ry, Robert state 2 5.	E. Eichelburger, (Lap. 84,000), P. shey, Tunnel, 20,000 tons, horse, John Loyd Supt
Tev., 563	C. L. Snowdon & Co. Cup. 825,000. Umpare. Druft, 92,50 fors. Steam, 211 coke ovens. J. D. Sampson, supt.
t altforn a Washington Ry, 563,	California Coal Co. 1 M deakais, prest 1. / Bathro-hom, s.ev. John W Ailes, treas, Cap. 8tk. 850,000, Argitant and Crescent. Saep., Proposetons, Steam.
	Colar Hill Con, Co., Cap. Short, Co. Lin Hill. Trainel, Secretons, Lorise, Chas. Bradford, Stat.
	Calmig Coke Co. Patislong, Payore 11 a Lay, and Woods? M. K. Safeds, C., prest, and to as W. S. Grene, as v. Cap stk shower Character Shaft steam (179) do cover its fragmentons. S. M. Hawkins, supp.
10x 50x	Barley, Wilson & Co. James Wilson, and J. M. grappe (D. M. Microstons) steam, W. W. Wilson sunt
BA 562	Same malloring Tron X Coal Co., I minor (n., Pa - P. M. P.) (of thotas). Torage? (Steam, "Washer, Detroke over).
	The Sterling Maning Co., New Lesion, Ohio (N. L. Wood prest). H. O. H. eman seev. W. H. Watner, treas, and high. Capes By Stogen. See: ng. (L. und. 15, rections) (1991). A conference of Grant Stephenson.
RV. isd.	Canonsburg coal Co., Edd. T. A. Upst P., Seev. ar. 1988. Cap. Sh. 848,000. Boon. Chem.pd. 125,000. tons. Steam. T. J. H. Chman, Supt.
Ry., bod.	Charletor Coal Co., J. W. Moore, poest. M. J. Alexanov, see C. H. Plety, treas, Josse K. Johnston, mgt. Cap, 84k, 8400,000. Open pd. 468.0 (10) — 81 am.
Ey 580, 200	W. J. Steen, Patisfort, Ph. O. Lat. Openipal, sometime for a solid H. Bates, supt
Ry Sto, bea. Mely an	Buttaloccoal (co., Buttalo, N. V., 27 Washington st., S. G., Doctor, et v. prest., T. S. Beell, Peas., C. D. R., Stowitts, mgr., Cap. 8th (81,000,000). Tust into 2000, Proceedings of conserved dames Wielow v. supt.
P. O. Roev Poul Ry, No. 591	
Property Williams	David Plake. The average space Open get, howe fines a grow May Second Cost of
Coalmont Hana valon Rv 317.	A. H. & V. G. H. dees. H. wes. T. mich flactions have a A. Good. H. G. supt
	Samuel Hegarty Cakland, Tunnel, Science to a Social Alchies, Sept.
	Invona Coul Co., Philadelphia, Pa., 4.6 Wadant St. W. d. Neons, prest of T. Coul Cost, S. G. d. O. Neodis, then a Cap St. Source Perma, Nos. 1 and J. Tannel, however for a factor of control of the c
P O H ekman Ry.566.	
Condron Station Cambria P. O. Ovsait, Ry, 195	Richland Maning Co., Allooma, Par. 69, I work fourth st. and Oas av. I & I vans, see Colors and mgr. Cap. 8tk, Sante Richland Mac No C. Tumed, steam Co. 2 (Bell supt.)
ourtney Washington Ry, 563.	) torey Gas Conf. Co., P.Risburg, P.a., 954 (theory J. B. Corey, Reas, and men. ), qc/sta/8200200 (Tellaro, Tunnel, accordates), horse. [Henry Fowy 9, 80pt.]
Crossor Cambra	Crosson Food Studies of John & Prove Commissing Comests \$5,000, Crosson, Sharp Securities.

Defiance Bellioid Sweet & Brown, Huntangdon, Par Cape Signon, Brown, Nos. 1 and 1. There is a same of two fous By Roddlesburg at horse and steam. W. H. Sweet, sage Diagosburg ("A Veglieny (S. S. Crump & Co., Phtsburg, Pr.) s Woodst. Am ty (Open pat, 195, october 1998). See S. S. Crump & Co., Phtsburg, Pr. (S. Woodst.) Am ty (Open pat, 195, october 1998).

Cambrai Cresson Coal & Color Co., John K. Povoli, maximus apt. Cap. 8th 875,000, Cresson Shart Societions,

Tows

### COAL BITUMINOUS (CONTINUED)

LOS ATION OF MINE. RAILWAYS, WATER ROUTES and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Du Bois

- .Clearfield Bell, Lewis & Vates Coal Mining Co., Bullalo, N. V. Geo, H. Lewis, prest.; Chas, Clifton, seey, and treas., B. B. Elliott, mgr. Cap. stk, \$1,000,000. Roeliester. Slope, 560,000 tons; steam. John Reed, supt. Ry, 11, 85, 413,
- Huntangdon, E. F. Gould, Cap. \$5,000. Huntangdon, Open pit, 25,000 tons; horse and hand, Dudley Ry. 317

W. H. Sweet. Can. \$19,000. Oceans, Nos. I and 2. Tunnel, 50,000 tons; horse,

Fayette Reld Bros. Unroudale. Slope, 30,000 tons, steam; 74 coke ovens, 27,000 tons. Jas. L. Allen, supt. Dunbar Ry, 563, 42,

Dunto

Cambria Vellow Run Coal Co., Greensburg, Pa. J. Schall Willielm, prest., W. A. Huft, seey, and freas., D. W (n.42,553, Luke, mgr, and supt. (ap. 8tk. 855,000, Vellow Run, Shaft; steam (developing). Ry. Johnstown, 42, 563, Clarion Brady's Bend Mining Co., C. F. Hartwell, mgr. Brady's Bend. Timnel, 110,000 tons. horse,

East Brady Ry, brady 11.

- Allegheny Corey Coal Co., Pittsburg, Pa., Futh av. J. B. Corey, prest., W. L. Dixon, mgr. and sapt. Cap. stk. sstale: Ry. S15,000, Duquesne, Tunnel, 15,000 tons, steam. Edway ond 11 O. Swisstaleo Ry. dia.
- anor Jefferson Bell, Lewis & Vates Coal Mining Co., Buffalo, N. V. Geo, H. Lewis, prest., Chas. Clitton, seey, and treas., Ry, Eg. Run S. S. B. Elfatt, mgr. Cap, stk. 81,000,000. Eleanora. Drift, 200,000 tons: 100 coke ovens. Samuel Rime, Eleanor sunt.
- Elk Lick Somerset Ry, West Salisbury 42. Somerset Hamilton & Cochrane, Baltimore, Md., 12 South St. Hamilton, Tunnel, 30,000 tons, horse, James Cochrane, supt
- Elm Grove Fayette W. J. Ramey, Cleveland, Ohio, Mercantile Bank Bldg. Elm Grove. Slope, 120,000 tons; steam: 100 coke onnells—ovens, 72,000 tons. T. J. Mitchell, supt. Ry, and P. O. Connells-

Ville 42, 563. Emblem.

Falls Creek

- Allegheny Osceola Coal Co., James W. Shields, propr., Pittsburg, Pa., P. O. Box 502. Cap. 8tk, \$25,000. Osceola, 42. Open pit, 100,000 tons., steam. By, Osceola 42, Fayette Pairchance Furnace Co., Geo. R. Sheldon, prest., W. H. De Forest Jr., seey, and treas., Robt. L. Martin, mgr., cap. sfk, \$250,000. Faitchance. Slope, 92,600 tons, horse; 133 coke ovens, 75,000 tons. John W. Farrehauce : Ry. 563,
- Stirling, supt. Tioga Fall Brook Coal Co., Corning, N. Y. Geo, J. Magee, prest.; John Lang, seey, and freas.; Anton Hardt, mgr. Cap. stk, \$100,000. Fall Brook. Drifts, \$2,000 tons; horse and steam, washer. R. Russell, supt. Fall Brook Ry, 257.
  - Clearfield Reynoldsville Coal, Co., Henry K., Week, prest.; Frank Morrison, seey., mgt., and supt., J. H. Corbett, 3, 648. (1988). Cap. 8tk, \$16,000. Sherwood. Drift, horse (developing). Ry, 11, 85, 563, 618,
- "Affegheny Federal Coal Co., Wilfrid Stewart, mgr, and supt. Federal. Tunnel, 100,000 tons: horse, Federal Ry. 583.

Favetie W. J. Rainey, Cleveland, Olno, Mercantile Bank Bldg Fort Hill, Slope, 200,000 tons. Steam: 190 coke alt (Ky.42 ovens, 120,000 tons. T. J. Mitchell, supt. Fort thit cl' O VanderbilORy.42

Cambria - Cresson & Clearfield Coal & Coke Co., New York City, 1 Broadway - Hon, John Dean, prest. B. O. Hagan, seey. R. J. Cross, treats, P. H. Walls, mgl. Amsbey and Frugality Nos. 1, 2, 3, 4, 5. Tunnels, 600,000 tons, steam and horse, breaker, 125 ooke evens, 600,000 tons. Ermentity Ry, 195.

Cambria Taylor & McCoy, Cap. 8250,000. Shatt. 200901 fons. steam and horse; 240 coke ovens, 435,000 fons. John F. McCoy, supt. Gallitzin Ry. 563.

Indiana Cush Creek Coal & Coke Co., Altoona, Ph., cor. Twenty-fourth st. and Oak av. H. E. Clark, prest., L. K. Evans, seey., treas, and mgr. Cap stk. 86,000. Cush Creek Nos. 1 and 2. Tunnel, horse. Glen Campbell Rv. 565.

Ceartheld Bloomington Maning Co., Philadelphia, Pa., 41 Walnut St., F. I. Gowen, prest., W. R. Teller, seey.; Remeas?

brandt Peale, trens, and mgr., cap, stk. \$10,000. Glen Richey. Drift, 201000 tons, horse. John Duns-Glen Richey Ry. Oshanter 52 more, supt.

Glenshaw Allegheny Robbins Coal & Coke Co., Pittsburg, Pa., 768 Penn av. F. L. Robbins, gen, mgr. Glenshaw, slope, 100,000 tons, steam. G. W. Schluederberg, supt. Ry. 502.

Butter Gomersal Coal Co., Ltd., Youngstown, Olno H. O. Bonnell, prest, and freas., Harry Bonnell, secy. Gomersal. Open pit, 52,000 tons, horse. Wm, Ferguson, supt. Gomersal 101, 588

Atmstrong Turner coal & Mining Co. J. L. Turner, mgt. Turner. Turnel, 20,000 tons, horse. Richard Lewis, supt. By CowanshannocSta Don 11

Indiana Met reary Coke Co. Harry Met reary, freus, and mgr. Cap. 820,000. Graceton Nos. 1 and 2. Drift, 700 tons, steam and horse, 481 coke ovens, 120,000 tons, Graceton Rv. 563.

Greensburg, Westmorel'd Alexandria Coal Co., Plaladelphia, Ph., Bullitt Eldg., Geo, F. Huff, prest., Fred McOwen, seey, and treas., Ry, 563. Thos., bonohoe, mgr. and supt. Cap, 8tk, 850,000. Alexandria. Tunnel, 267,000 tons., steam. 293 coke ovens, 150,000 tons

Carbon Coal Co. Philadelphya, Pa., 333 Walmit St. (Oavid E. Williams, prest., W. A. Smith, seey.) James C. Carbo, Frank J. Kambull, Sun, St. Stegues Carbon. Slope, Jogetti tons; Steam, 48 coke ovens. (25,000 fons. Frank J. Kambull, Sun.)

Jamison Coal Co., R. S. damison, prest., John W. Jamison, seey, and treas., Thos, 8. Jamison, m21, and supt. Cap. 8tk, \$150,000, Jamison. Slope, steam, 20 coke ovens, 15,000 tons developing).

Madison Gas Coal Co. G. Brinton Roberts, prest. W. A. Smith, seey. W. A. Huff, treas. Cap. 8tk, sponono. Madison. Tunnel, 28000 lons, horse. Thus, Donohoe pr., supt

Lavette Redstone Od, Goal & Coke Co., Ph.Ladelphia, Pa., 291 Walmit pl. J. B. Ridgway, prest. J. L. Rishop, v-prest., Goal W. Dodnert, trens. Redstone. Shaft, 180,000 tons, steam and electricity, 31 coke overs, 5,550 tons. J. P. Cook, supt.

CHOVEL IIV Meirer Filer, Sufful & Co., Sharon, Pa. Enoch Filer, mgt. Cap. 850,000. Diamond, No. 1 and No. 2. Shatts, 140,000 lons, steam. Frank P. Filer, supt.

Westerman, Fiber & Co., Sharon, Pa. Enoch Filer, mgt. Cap. 860,000, Chestmit Ridge. Shaft, 79,900 tons, steam and horse. Enoch D. Filer, supt

1962a Gaines Coal & Coke Co., Addison, N. V., T. C. Platt, prest., Frank M. Baker, nigr. Druts Nos. 2 and F. Junnel, 5790 tons, horse. P. Smith, supl. 10 :

# COAL-BITUMINOUS (CONTINUED)

LOCATION OF RAILWAYS, WAT AND SHIPPIN	TER ROUTES	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Kind of Mine, Annual Output in Tons of 2:00 Pounds, Kind of Power Used, Coal Breakers, Washers, Coke Oven, and Name of Mine Streenstand ni
TOWN	COUNTY.	COAL DREAKERS, WASHERS, CORE OVENS, AND NAME OF SHIRE SUPERINIESH ST
Hamilton Ry. and P Run 503,	, O. Morris	Morris Run Coal Mining Co., Cornong, N. Y., Geo, J., Magee, prest,; W. 8, Nearing, seey, and supt., Damel Beach, treas. Cap. 8tk, \$90,70. Morris Run. Slope, \$1000 tons, horse and steam.
Hastings Ry, 583,	Cambi a	Danwiddie & Campbell, -Cap. 812,000, -Oak Ridge, -Slope, 28,60 (tons), horse, -Jas. Campbell, supt.
Hermitage, Ry, 668,	Mercei	Danham & Evans (local). Cap. 8500. Hermitage. Shaff, 1,00) tons, horse,
**		N. L. Wiesen (local). Wiesen, Slope, 1,000 fons, horse,
Hickman Ry, 583,	Allegheny	Beechmont Coal Co. Cap. 80,000. Beechmont. Stope, 0.900 (thus, steam and horse, $A_{\rm c}$ ). McMichael, supt.
Hooversyalle Ry, 40.	Somersel	Wm, Hoover & Bros. (local). Aaffey Mines.
**		D. D. Jones, Ocean, Slope, 50 tons, Jorse,
		Joseph Meyers (local), (cap. 850. Tunnel, 69 tons), hand
10	**	Frank Rodgers (local). Open p.t. hand,
Hopewell Ry, 317	Bedford	Huntungdon & Brood Top Mountain Raitrond & Corl Co., Ph. Ladelphin, Pa., S. E., our Fourth and Walmit 848. Spencet M. Lanney, prest., J. P. Domidson, seev. and treas, Core F. Gaze, gen, mgt. Cap. 84. sc. 67,750. Cumberland and Mount Papity. Tunnels, 20,000 tons, horse, John Langdon, supl.
0		Lamburth Coal Maning Co., Philadelphia, Ph., Lil S. Fourth St., H. W. Lamburth, prest., Geo. I., Scott, seev. and troos., John Langdon, mgr., Cap. 8th, 84270. Cres. art. and Chevangton. Slope and dr. R. 125000 tors, Steam and horse. Lee Ott, supt.
Houtzilale Ry, 563,	Clearfield	Whitehead, supt.
		Sterlang coul Co., Philadelphia, Pa., 49 Warhortst. D. H. Histangs, prest. 4.4. Patterson, seev.; W. H. Metgger, freas. Jalward M. Hugh, mgr., cap. sts. 85,0000. Sterlang Mans., 46. Parties and slopes, ioogovernous, sterm and horse. Thes, 4. Welfugh and J. L. spengler, suppls.
Imperia) Ry, 171,	Allegheny	Imperial Coal Co., Pittsburg, Pa., 95 Fitth av., J., A. Andrews, prest., W. H. Hosmer, seev and treas., Win. Bald, ingr. and supt. Hower Hill, Montour and Clift., Dr. ft., 320000 (ins., steam), 102coke ovens,
Hwin - We Rv 563, 833	stimorefand i.	Penn Gas Coal Co., Ph. ladelphaa, Pa., 2018. Theid st. T. A. Drugee, prest. A. K. Gregory, seev. and treas. John F. Wott, ngr. and supt. Coal Run. Nos. 1, 2 and 4. Smatts, supportions, steam and horse, 50 code overs.
Jacob'st reek V Rv. 42, 50	Vestmorefid d.	Tuteka coal Co., Pilisburg, Pa. 83 Loorth av. Wm. H. Graham, pto st., W. A. Dinker, seey, and freas., Wm. Miccone, mgt. and supt., Cap. 8tk, \$50,000. Tuteka. Tunnel, toucou fons, steam and horse.
Johnstown Ry 42, 563	Landeria	William Barnett, local , I. 2hth ward - Grabtown - Tunnel, 4000 tons, hand,
**		A. J. Haws X Son Joral . Cap \$150,000 Shatt, 25250 fons steam
		W. J. W. Brains, Joea', Water st. Cap 8800 W. "adm., Open p.t. 4500 fons, horse, John Retallack, supt
Kearney Ry. 317.		Joseph T., Thropp, Ph ladelphar, Pat. 3108 Tourth at "Keather", Sopes and Jamels, 140 coke ovens, Thos. A. Jones, supl.
		Derry Corl X Coke Co. M. Saxmun p., prest. D. Wafts, solving all Hisas. J. Sayman, mgr, and supt. Cap. 8th, 850,000. Derry. Shaft, 188,000 fons. steam (8% coke ovens, 108,000 fons.)
**		Tafrobe Coul Co., Altoona, Pa. J. G. Cassatt, prest, John Lieyd, seey and treas. Slone, Isaari tons, steam 199 coke ovens. D. W. Jones, supt.
	**	M. Saxman ii & Co. Cap. SPacto. Saxmat. Shaft, "Theo for sisterial excede overs, about fors. P. Koman, supf.
Lawsonham Ry 11.		Keystone Coal Wirong Co., Last Brady, Pa. Geo I. Henry, p. st. cot. and sept. John Henry, mgt. Cap. 8tk, 82000. Keystone. Open pt. 50000 fons. Jan I.
Ligenner We Ry, 396,	~tmoreland	Michael Keffer Jocal - Keffer, Open p.t. ee tons, hand
**	**	W Sam C Knox local Knox, Open p t. 72 (fors, home
Liffy Ry. 563.	Cambrai	T. W. Mentzer, Hollidaysburg, Pa. Bens Creek Plain. That is Sections, house of John A. Leap, supt
11	1.	W. H. P per X. Co., Ph Indelphia, Ph., 41. Walnuf st., 8 minut. New T. and $\tau$ . Tunnel, 20000000 steam and horse. John Lealney, supl.
Listonbur, Ry Conflu	Somerset ence 42	1 ste Warma, A. Manutaefman, et al., Somen Sel., Par. Somen Keel and stead and treas at apposite Sequence Krobs. Journet all sesse has too beard.
L'oydyatte		arised a four form). Cambria Fig. 8. W. Fre by support R. L. Reeser, seev. R. W. Fre by cross, freez. H. G. Hurd, mix. (e.g. sites $x_{\rm H}$ ) of the hologram channel alone top $x_{\rm H}$ .
R. 566 Lobbs Run Ry and Elizabeth	A Blood books	creas, from [1] 6, finite ingl. (e.g. dv 8, 200). But he want hand diecebyng, Joseph Walton X Co., Pittsburg, Pa., fal-Waler 8, [1] N Baaran, mgt. C. is sik 81,50,000. Upon 1 http://good.fons.sicam.horse.and.hand.dohn.W.P.kr.sopt.
Elizabeti Long Valley Ry, Foot o	Bradford	Tong Valley Coal Co., Towarda, Pa., J., Raymond Caglioun, po. 1. The n Ackley, serv. [1] O. MacLat. Bure, treas, and mr Cap. 8tk, 812000. Ton. Varbov. Or ft., osno tons. horse. [W. E. Jones, and
		Loval Hanna Cual X Coke Co., Philade phia, Ph. 141.8. Fourth st., John, Phia 22, prest, and Printer Cate als Strong Coval Hanna and Printer. Shorts, burge strong and
MeDonald	Wash n_ton	electricity] coal washer, 25 cooke o en = 3, 0 Memolin, supt.  Patterson & Sauters   Cap. 87500 to Tree II II   Tannel, brigger fons   steam = 3, 10 Sauters, supt.
By, 584		

### COAL BITUMINOUS (CONTINUED)

Loca	TION OF	MINE,
RAILWAY	rs, Wate	R ROUTES
AND S	HIPPING	Point.
Town	AND	COUNTY.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED. COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUPERINTENDENT.

McGovern

J. D. Sauters, Cap. \$75,000. Nickel Plate. Tunnel, 80,000 tons; steam, "Washington Cook & Sons. Cap. \$15,000. Allison. Drift, 45,000 tons; horse. R. M. Cook, supt.

Ry. Allison 5:4. Madera

"Clearfield Moshannon Vem Coal Mining Co., Plaladelphra, Ph., Fourth St., Baillitt Bidg. J. Chester Wilson, prest.; R. A. Zentinyer, seey, and treas; P. B. Zentinyer, mgr. and supt. Cap. stk. \$50,000. Chester Nos. Land Z. Open ph. (Sugmetons); horse.

Vulcan Coal & Coke Co., Philadelphia, Pa., 228 S, Fourth St., Wm. H, Wigton, prest, and mgr.; F. H. Wigton, sery, and treas. Cap. 8tk. 850,000. Aulean Nos. 1 and 2. Tunnel, 300,000 tons, steam. Chas. E. Sharpless, supt.

Waldson Westmoreland Arona Gas Coal Co., Phaladelphia, Pa., 333 Walmit st. G. Brinton Roberts, prest; W. A. Huff, seey, and By. 563. Thomas Donohoe, mgr, and supt. Cap. stk. \$160,000. Arona. Open pit, horse (developing). Martison.

Armstrong - River View Coal & Mining Co., Buffalo, N. V., 22 W. Swan St., John Peterson, prest., L. V. Biggs, seey.; smus) - Rv. — James S. Moore, mgr. | Cap. stk. 875,000. | Druft, 100,000 fons; | gray.ty.

F. O. Cosmus: Rv. Red Bank H.

Marion Centre : Indiana John Vanleer (local), Cap. \$5,000. Vanleer. Open p.t. 42 tons; h.and, Ry, Indiana 565.

Ry. 42.

Meyersdale... Somerset Casselman Coal Co. Wm. G. Hocking, prest, and gen, mgr. Cap. 8tk. \$30,000. Casselman, Slope, 75,000.

Hocking Coal Co., Baltimore, Md., Lodenhall St., Open pd. 45,000 (ons.

Midway Ry, 584,

Benjaman Thomas, Cap. \$6,000. Thomas, Tunnel, 17,000 tons, horse, , "Washington Phtsburg Consolidated Con. Putsburg, Pa., 768 Pennay. F. L. Robbins, gen. mgr. Jumbo, No. 2, Slope, 125,000 tons, steam. G. W. Schluederberg, supt.

Milesville Allegheny (P. O. Sunny Side) Ry Affeglieny Robert Jenkins, Pittsburg, Pa., 120 Water st. Cap. \$50,000. Milesville. Open pit, horse and steam. 426

Cambria, E. Reighorn & Page theirs), Cap. \$3,000. Cambria, Slope, 18,000 tons; horse, E. Reighorn, supt.

Monongahela City, Washington

Materal Point

W. H. Brown's Sons, Pittsburg, Pa., 443 Water st. Black Damiend, Driff, 60,000 tons; steam, James Lorette, supt.

Rv. 426, 56 a.

Motrisdale Mines Corrfeld R. B. Wigton & Sons, Philadelphia, Pa., 228 S. Fourth St. Morrisdale Nos, 1, 2, 3 and 4, Troy. Rothrock, Schoonwer and Cimard. Shaft and dirits, 75,000 fons, steam and compressed air; 124 coke ovens, a2500 fons. Class. E. Sharpless, 800.

Mt. Braddock

Fayette R. Hogsett & Co. Cap. 8450,000. Mt. Braddock. Slope, 85,000 tons; steam; 470 coke ovens, 54,000 tons. Fuller Hogsett, supt.

Mt Pleasant. Westmoreland Tev. 42, 560.

South-West Connellsville Coke Co., Plitsburg, Pa., 501 Bank of America Bldg. H. C. Frick, prest., F. W. Haskell, seey, and treas., Morris Bansay, gen, negr, and supt. Cap., stk. 84,000,000, Nos. 1, 2, 3 and 4, 1,200,000 fours: Steam, water and electricity. Log coke ovens, 725,000 fours. Payette W. J. Bamey, Cleveland, Oliio, Mercantile Bank Bidg. Grace. Slope, 450,000 tons, steam, 410 coke

Rv. 56d

Monhall

Ry. 563.

ovens, 270,000 tons. Thos, Johns, supt Allegheny Mundrall Bros., Pittsburg, Fa., 409 Smithfield st. Cap. \$175,000. Bellwood. Tunnel, 65,000 tons, steam and Wm. McMasters, supt.

Ry. Manion 52.

Manson Station Clearfield R. C. Fishburn, Cap. 845,000. Kyler, Tunnel, 50,000 tons, horse, 50 coke ovens, 25,000 tons,

By Somman, 563,

V. B. & G. W. Lueder, Cap, \$10,000. Lueden. Slope, 20,000 tons; steam and horse. Frank O'Rorke, supf. Cambria Sonman Coal Mining Co., Philadelphia, Pa., 256 Bullitt Bldg., John Pitearri, prest., C. C. Watt, v. prest., T. S. Shoemaker, seey., L. V. Jüggs, treas, C. V. Hughes, ingr., Cap. 8tk, \$50,000. Sonman, Shatt Tajorottoris, horse and Steam. Joseph Patterson, supt.

Neshamoek Ry, nos.

Mercer Pietec Corl Co., 14d., Sharpsydle, Pa., Frank Pierce, prest., James Pierce, mgr. Lackawannock No. 2, Shaft, 55,000 four; steam. Archa Melntyre, supt.

New Castle Rv. 251, 500, 501, 502, 585,

"Lawrence Thompson Run Coal Co. M. S. Marquis, ptest., L. Rancy, treas. Cap. 8tk, \$16,000. Thompson Run, 91, 397, 885. Tunnel developing). Payette, R. T. Williams clocal), Williams, 4,200 tons,

New Geneva BV. 583

Noblestown:

Allegheny National Coal Co., Ltd., Pattsburg, Pa., 95 Fatth av. Frank Armstrong, prest., L. M. Jenkins, seey, and toggr., J. A. Met ready, treas. Cap. 8tk, 851,000, National, Tunnel, 50,000 tons, steam and horse.

City — Venange Hartwell Coal Co. C. F. Hartwell, prest. Tunnel (developing), Rv. 11, 383, 503, 865.

John Brown, supt.

Osciola P. O. Fmblem, Rv. 42

Allegheny James W. Shields, Pittsburg, Pa., P. O. Box 502. Cap. 825,000. Osceola. Open pit, 100,000 tons; steam.

Osceola Malls 10, Osceola

Clearfield Chemicollice Chem. Digit 40,000 tons horse. Geo. M. H. Good, sunt.

H. I. veright & Co., Philadelphea, Pa., 28 N. Third. st. (Cap. 8,30,60), mount. Open pits, 200,000 fons., horse, J. S. Catherman, supt. Cap. Sanott. Logan, Bessemer, Paoneer and Pair-

Favette Pennsyalle Coke Co., J. D. & B. T. Schenick, mgrs. Cap. stk. storono. Pennsyalle. Open pit and slope, 63,000 tons. steam, 92 coke ovens, 47,000 tons. Jacob Duyaff, supt.

Pency Perturbation Ry.

. Lavette - Percy M mag. Co., Uniontown, Pa. - Geo, C. Marshall, prest, and treas., A. W. Blass, seey. Cap. stk. 860, evu. Ry. — 000 — Percy. Shaft, 55,000 tons. - steam. 62 coke ovens, 25,000 tons. - Louis de Saulles, supt.

Philipsburg

# THE MINING DIRECTORY—MINES.

# COAL-BITUMINOUS=(CONTINUE)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2500 POUNDS, KIND OF POWER USED, COLL EIERARLIES, WASHERS, CORE OVERS, AND NAME OF MINE STELRINTENDENT.

103 - 02 - 000	John Dinsmore, supt.
**	Coaldale Coal Co. O Perry Jones, prest, and mgr., Coo. W. Gamor, Secy. and treas. Cap. 8tk, 8250000 Coaldale Nos. 3, 4, 5, 6, 7 and 8. Druts and slopes, 165000 tons. Steam.
44	2 Jackman & Elisworth, A colorado Nos, 4, 2 and 3. Tunnel, 425,000 fons, thorse.
**	" Thomas J. Lee, Cap, 810,000. Genthart. Draft, 100,000 forse. Richard Lobb, supt.
b n	22 Murson Corl Co., Murson, Tunnel, 5, arctons, horse, R. E. Murson, supt.
	29 John Nuttaff & Co., Cap. 8 Supers. Docatin, Nos. Fland 2. Open pit, 44,000 fors. Jorse., Co. W. McGalley., Supl.
**	<sup>90</sup> J. S. Wites & Co. Cap. Society. Montaina. Open pit, 7 (20) fons. horse.

Centre Bloomington Musing Co., Philadelphia, Pa., 401 Wa'mit St. T. I. Gowen, prest., W. R. Teller,
Prophensial Parks from and page Care of Street, Code and Victor, Dr. 11s, graph land.

Ry, 11, 42, 43, 175, 565, 583, 584, 599,	Thomas F. Neil, apt	Cap. Scottor Territor	referrings a construction	is, strain.
Portage Cambra RV, 56	Cambria Coal Mining Co., W.Paanspoet, Pa. Jas 8100,000, Anchor, Period, voluctors horse		Met custand, secy	rap stk

11.5. 75		the state of the s
	**	Hopter & M. Isom, (1), p. 80,000 (Thiovarie) (Original representation) larger 1 award 41 callest supply
	**	Somman Coal Mining Co., Philae Spl. a, Pa., 266 Burlatt Bild. Robin Piteania, prest., 1 8 Shoemaker,

	steam and hotse.	news, or mer tap to say.	Transferration and Ambana	
Powellon.	Centre, Robert V, Jackson, Osce da M.dis, P.	t ap. \$20,000. Black 9 (mond)	copen p.t. 60,000 tons, steam.	Е.

	W. J. Ramey, Chrysans, Ober- tons, A. J. Mitchell, apt	Moreantife Bank 194 <sub>*</sub>	Romer Dr	it steam broke overs, Palisi
Raiston : Evenuing	Red Run Coal Co. Rise n. E.			Group, solve, the ascalled biggs. Cap-

,								
Ramey .	cleptheid Be	ulah Cod Co.	field Phonocipi	ha. Pr. 141 🕶	Louithst	Cop. 511, 52, 55	Webster No. 4	Tunnel, 91, 200
Ry., 563.		tons steam	James H. Mair	ds, supt				

Red Bank	. Armstrong	Oak Minita Co., British	N.A. Co Sand For Exchat it.	B. H. W. Samis, prestasses	v and mar. H.A.
Ry, and	P O Oak	Noble, freas (tap) sth	Sociolo, Orda Rudge Nos (1, 2 and )	THAT'S, SOUTORS, SECTIO	, J. c. Baker, supt.
Ender St	ation it				

- Revnoldsvalle Johnson Bell, Levy, & Varies Co. (M. n.g. Co., Lando, N. V.), Co. (H. Levy, prest Co.s. C., Preusser and Heast, By 11, of S. (B. 12) of the Language Solid (F. Langu
- Richland Station A. Charlette, Richland Coul. Co., Phonic. Fra. Room (12 Phonix Bloo). W. J. She belberger, prest, and ng. (4-16). Ry Richland 578. Patterson, seev. S. J. Westberg trees. Capastle, Sono: Donale (b). On the developing.
- RiddPeshutz Redford Kemble Iron Co., Vex Nanek, press Ch.s. H. Scott, sex marrieds. Wer Lander, ingr. Mr. Eq. by Rv. 5.

  Email Japan Comparison Science average agents of Lannes Alben, sept.
- Clarent Arms Managers at Armbo N. A., constant from Lvethings. W. Process, prest of W. Harlessey and from F. P. R. H. (1922). Arms. Open put, Governors, series (1988). Leviller, sept. Ration sterra Rungiton Aimstron (P. O. Rimer, Ry. II. Athistron, a. L. Rether, a go segue. Manietton: Open pit, by octons, Loss
- River Vow Cool & Morray Coop Phondo phor Pay 200 But 11 Bby Johan Piferen (prest (L. V. Billes) sooy and from Substaces Morray and supt (vap sty \$7,000). River Vow (In th. holyombolis horise and leavit Ricet View Armstrong P. O. Cosmus, Rv. 11
- Rockh fill from X (a) for a 12 march [12] and [13] a W (a) fist [13] A fing a nonestrophic fill Howard exception from X (W S and no.) Robert and Single (b) Single (b Robert slete Hunt ugden P O Rocke 1 1 m mace Rv. 255
- Ry Lacy Co 53, 56s. es coal co. L.S. Al. english, J. W. A. es soc. That the second state states a Succeeding and Article Args. Open part longuotons, steam and house taken flower cool, state.
- Sand Mary's Ath. Kand & Half. Cascade and Hazer De J. Open par, 115 our feets. There . Machin Doppold, supt.
- St. May stong to M. Chinsport, Pr. Scot. Then St. Toyoth in prest. J. B. Gerell, seev millions only, silk someon. St. May s. Commet. Specific as St. Governor, Specific to expression of say  $R_1 \approx c_0 + c$ Sections
- Sa 1 26 Here no don't design Seeman for the region, so Rocky Regions up a few tens up so
- RV 255. Indiana Saftshirg Control Philade phos Pos Brown 1994, B. Kolamono, riesdo N. E. Shathadosso I. Bolston, Troc. David Geller, Ph. no. 2, and s. pt. (Cap. 2), Springer Consession and Soft and Soft Cap. 2. Saltsburg. 12A 56
- Scottlade Westingbrand Scottlade from Societos, Italiano P. S. Londes, character to the resolvent of the Scottlade from Societors, horse at N. S. Lyangood, sept. Mon. in Layer Const.
- Scott Haven, Westmoreful Main P. Delworth & Co., P. 118 of a P. Par, 768 Fermal of Compressions (No. 12, 78). Support on Approach of Compressions (No. 12, 78).
- net Westmore'and Shaner Gas Coal Co., Pitsburg, Pa., 768 Penn, A. France, L. B. Co., 160 t. J. J. McDonrou, See V. P.O. Vologhamy, Ry. G. W. Schlunderberg, 1908 supplied and major cape for Segret Sci. (2018). Some biogeoclous steam

Vanderbilt

Waynesburg

Ry. 792.

Ry. 566.

West Monterey

By Monteley II.

### COAL-BITUMINOUS-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERNIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINK, ANNIAL OUTFUT IN TORS OF 2,300 FOUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVERS, AND NAME OF MINE SUPERINTENDENT.
TOWN AND COUNTY	
Shireoaks Washington Ry, 563.	John M. Risher, Pattsburg, Pa., 8 Wood st. Cap. 825,000. Banner, Chil and Coal Bluft. Open pits, 400,000 tons; steam, Joseph Griffiths supt.
Smithton Westmoreland Ry, 42, 584.	Waverly Coal & Coke Co., Pattsburg, Pa., 17 Coal Exchange. J. A. Courtney, prest, and seey.; R. B. Mellon, treas.; David Orr, mag. and supt. Cap. stk. \$500,000. Waverly. Shaft and open pif, 200,000 tons; steam; washer, If tooke ovens, 50,000 tons.
Snow Shoe Centre Ry, 52.	<ul> <li>Lehugh Valley Coal Co., Philadelphia, Pa., 228 S. Third st. Elisha P. Willour, prest.; J. R. Fanshawe, seey., Win. C. Ablerson, treas.; W.A. Lathrep, mar., Cap. 8tk, 850,000. Ducas Hill and Sugar Camp Nos. 1, 2 and 8, 195,000 tons; steam and horse. James F. Marsteller, 8th Austreller.</li> </ul>
South Fork Cambra Ry, 563.	Annora Coal Co. Annora. Drift, 4,000 tons; horse. D. W. Luke, supt.
	Argyle Coal Co., Greensburg, Pa. R. Coulter, prest., W. A. Huff, seey.; Geo. F. Huff, treas.; J. P. Wilson, mgr. and supt. Cap. 8th, 825,000. Argyle. Open ptt, 555,000 tons, horse.
	Euclid Coal Co., Ltd., Alfoona, Pa., 813 Fourth St. W. S. Hostler, prest.: J. H. Dietrick, seey., supt. and mgr. Cap. stk 80,000. Euclid. Open p.1, 50,000 tons, horse.
Southwest Westmoreland Ry, Heela 563,	The Heela Coke Co., Ltd., Pittsburg, Pa., 42t Wood St., Win, Thaw Jr., prest., T. C. Darsie, seey.; Benjamu Thaw, treas., Jas. Darsie, gen, mgr., Cap. 8k, 850,000, Heela No. 1. Shaft, 225,000 tons; steam and horse; 62f code overs, Largou tons. Thomas Land, supt.
Speers Ry, 333. Washington	Blyth Coal Co., Pattsburg, Pa., 8 Wood st. Geo, E. Blyth, prest.; John Musgrave, seey, and treas. Cap. stk. 8100,000. Blyth. Druft, 100,000 tons. horse. Thos. Cowell, supt.
Stockdale Washington (P.O.Monarch Ry, 563,	Stockdale Coal Co., Pattsburg, Pa., Saxth av. and Smithfield st. Acme. Open pd. 100,000 fons; horse. A. S. Braznell, supt.
Stoneboro "Mercer Ry, 383, 803.	Carver Coal Co., Sharon, Pa. Enoch Filer, prest., H. J. Filer, sery. Cap. \$50,000. Carver. Shaft, 70,000 tons; steam. E. P. Filer, supt.
Tranger, We (more)and Ry, 565.	The Hecla Coke Co., Ltd., Pittsburg, Pa., 42t Wood, st., Win, Thaw jr., prest., T. C. Darsie, seey.; Benj., Thaw jr., james, Darsie, gen, mgr., Cap. stk. So.,000. Hecla No. 2. Shaft, 450,000 tons; steam and horse, 300 code overs, 5,00,000 tons. Thomas Ladid, supl.
Tyrone .Blair Ry, 563,	H. K. Myers, Cap. 805,000. Tipton. Slope, 100,000 tons, steam. J. J. Stoker, supt.
Uniontown Fayette Ry, 42, 563.	J. D. Royd & Co., W. Main'st. Union. Druft, 100,000 rons; horse.
	Edward Suider (local). Snider. Open p.t. 8,560 tons, horse,
	Stewart, Iron. Co., Ltd., Sharon, Ph. Fayette Brown, prest.; D. B. Chambers, seey.; Harvey H. Brown, treas., Samuel McClure, m.r. Cap. 8th. 8170,000. Stewart. Slope, 94,000 tons. Stewart, 120 coke ovens. 72,000 tons. F. C. Van Dissen, supp.

Upper Tyrone Fa (P. O. Scottdale Fayette A. R. Stauffer, Scottdale (Westmoreland Co.), Pa. Cap. 85,000. Dexter and Home, Open pit, 23,900 tons; lafe: Ry. horse, 50 coke ovens, 30,000 tons. S. R. Fairchild, supt. horse, no coke ovens, anno ctons. W. Overton 42, 363

Sometset Connellsville & Utsma Coal & Coke Co., Scottdale (Westmoreland Co.), Pa. J. M. Reld, prest. Joseph Albree, seey., E. H. Reld, treas, and mgr. Cap. 8tk, 8t.(10,00). Edna. Dr.R. horse, 30 coke ovens. Ry. 42.

nee Wills . Fayette E. A. Humphræs & Co., Scottdale, Ph. Cap. Sign.). Chester Coke Works. Slope, 40,000 tons. steam and lorse, 57 coke overs, 55,000 tons. George Armstrong, supt. Vance Wills

nderbilt Fayette W. J. Ramey, Ceveland, Olno, Mercantile Bank Bldg. Moreland. Slope, 60,000 tons, steam. T. J. Mitch. Ry, Brond Ford 50. eff. sup.

Van Ormer . Cambi a James Woffenden, Cap. 84,000, Van Ouner, Open jet, horse, Rv. 195.

Veneta Wash ugton, D. M. Anderson, Cap. \$150,009. Anderson. Draft, 60,000 tons; steam, Ry. Anderson 42.

Walker's Mills Allegheny Boyd Coal Co., Cap. \$50,000. Boyd. Dr ft, 25,000 fons. horse. Jesse H. Santord, supt. Walsan

tambria Ingleside Coal Co., Johnstown, Pa. Cap. 8tk. \$20,000. Ingleside. Drift, 60,000 Ions. horse. Altred in 42,563. ——Skiter, supt. Ry. Johnstown 42, 563,

Walston Jefferson Bell, Lewis & Vates Coal Mining Co., Bullado, N. V., Geo, H., Lewis, prest.: Chas, Cliffon, seey, and Ry, Walston, Juneton St. Belliott, may Cap, stl., 81,000,000, Walston, Drills, and slope, 450,000 tons, Steam, breaker, isocoke oversis, G. W., Snyder, spile.

Wampun Lawienee Wampun Run Coal Co., Radroad St., Mary J., Mehard, prest, and Treas., Geo. C. Murdock, seey., Robert By, 363, 761.
H. Mehard, met. and supt. Cap. stk. \$14.00. Excels of Nos. 1 and 2. Tunnel, 60,000 tons. horse and steam.

Greene Champion Coal Co. (local), Champion. Slope, 4,000 tons, hand,

J. D. Johnson, Cap. 84,000, Shippery Rock, Open pat, 2,800 fons, hand, Knob Coal Co., Brownsydle, Fayette County, Pa. Thomas Hollemod, prest., Ashalel Smith, seey., S. H. Pearsail, freas, and meg., Cap. 8tk, \$25,000. Knob., Slope, squan tons., steam., John D. Bakenell. West Brownstille Washington

West Elizabeth, Allegheny - Joseph Walton & Co., Pittsburg, Pa., 13t Water st. [1] N. Banton, aug., Cap. \$1,500,000. Lower. Drift. Rv 565 - 40,000 forc. hand, horse and steam. John W. Pike, supt.

Clarion Skidmore & Licke Cup, \$25,000. Mineral Ridge. Tunnet, 50,000 tons, hand, C. W. H. Eicke, supt.

W Newton Westmoreland Googh Slope Gas Coal Co., Cap. 850,000. Googh, Slope, 73,000 tons, Steam, R. H. Latimore, Supt.

W Overlon Westmorehard (A. C. Overholf & Co., Cap 8250,90). West Overlon: Open pit, 48,00) lons, horse, 110 coke ovens, 48,000 Ry, 507 42 to to R. F. Overholf, supl

LOCATION OF MIN ...

RAILWAYS, WATER ROUTES

Ry 52,

LOCATION OF MINE

# COAL BITUMINOUS- (CONTINUED)

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

ANNUAL OUTPUT IN TONS OF 2000 POUNDS. KIND OF POWER USED

TOWN AND COUNTY.	COAL BREAKERS, WASHERS, CORE OVENS, AND NAME OF MINE SUPERINTENDENT.
West Salisbury Somerset (P. O. Elk Lick) Ry, 42.	Standard Coal Co., M. F. Statler, prest., mgr, and supt.; C. E. Statler, secy., and treas. Cap. stk. 85,000°, Standard. Draft, 20,000 tons. horse.
10	E. Statler, Cap. \$5,000. Statler, Drift, 20,000 tons, horse,
White Ash Allegheny Ry, Sandy Creek 11.	New York & Cleveland Gas Coal Co., Pittsburg, Pa., 820 Penn av. W. P. De Armit, prest., Frank Semple, seey, and trens., Win. Fisher, mgr. and supt. Cap. 8tk, 81,000,000. Sandy Creek. Tunnel, 200,000 tons.

steam and horse, Westmoreland Hostetter Connellsville Coke Co., Pittsburg, Pa., 59 Fourth av. George I, Whaney, prest., Altred Knox, seey, and treas., John McEadyen, mgr. Cap. 8th 83,000,000. Winto V and Lippmortt, Slopes, 480, 000 four steam, or goods overs., 350,000 fours. John E, Rush, 840. Whitney Ry, 563,

Favette Rambow Coal & Coke Co., Cap. 850,000. Rambow. Drift, 180,000 tons, steam. II. G. Whitsett, supt. Whitsett Ry. 591. Wilkinsburg Allegheny Hampton Coal Mines, Pattsburg, Pa., 14254 sherrty st. J. M. Brownson, seey, and treas. Thos. C. Dickson, ngr. Hampton. Slope, horse, John L. Stewart, supt. Ry, 563,

Allegheny First Pool Mongougahela Gas Coal Co., Pittsburg, Pa., 768 Penn av. Francis 1. Roblens, prest., A. L., Petric, seev., G. W. Schluederberg, treas., mgr. and supt. Cap. 8th, 80,000. Turst Pool. Shart, 150. Willock Ry. 42. Petrie, seev., G., uoo fons, steam.

Willow Grove Mining Co., Pittsburg, Pa., 768 Penn av. P. T., Robbins, ingr. Willow Grove. Slope, 150, oor fors., steam. G. W. Schlaederberg, supt. Willow Grove Allegheny (P. O. Sturgeon) Ry, 584,563. C'earfield Sommerville & Buchanan. Cap. 850,000. Sommerville, Nos. 4, 5, 6, 7 and 8. Tunnels, 300,000 tons. horse, John S, Sommerville, supt. Winburne

(Clearfield, Woodland Cannel Coal Co., Tyrone, Pa., J. M. Keck, prest., C. M. Ewarg, seev., L. Keck, treas., Edward Keck, mgr., Cap s tk. 840000 | Kecks. Open pd. 10000 fon ., hot se., H. S. Over'v, supt. Woodland Ry, 52, 563,

### CORUNDUM

RAILWAYS, WALER ROLERS, AND SHIPLING POINT		NOTE AND KIND OF MIND OF TAXBE AUTHOR IN TOKING, NAME OF OPPOSES, CAPITAL STOCK,  NOTE AND KIND OF MIND OF TAXBE, ANNUAL OUTPOT IN TOXE OF 200 POLIOS, KIND OF POWER  LED, The LAND XIME OF SUPERINTENDENT
LOWS AND	COLETA	
Uniony Ce Ry 563,	t lostet	Abuss vo Mateu al Co., Ph. asociphia, Ph., 43. N. Fourth st., John Hossin, prest., Trea S. Diekson, sery, Louis T. Byetts, treas. Harvan Fage, may land supt., Cap. 44, 87,000. Trimie, and shatts, steam

# FIRE CLAY

LOCATION OF MINE OR PANK. RAILWAYS, WALER ROUTES, AND SHIPLING POINT		NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OF EVEN, ANNUAL OUTLIT IN TORSION 2, 00 FOR SIDS, KIND OF FOWER TABLE THE AND NAME OF STEELINGHOLD.
Town	COUNTY	CASE TO CASE STATE STATE STATE
Haydentown Ry Fairchain		$0.41,1\mathrm{mms}$ , Cap Sigon. Finine's, glass pot clay $-0.9$ n p.t. 1.94 (fons) hand
L'oydy ile Ev Son	t ambico	tumbra Luit Brack to (Lock Bayen, Pa. N.W. Fredericks, prest. R. L. Bower (seev. R. W. Fredericks, treas). H. G. Huddingr. (Cap. stk. 82500). The cay. Drift, hand and horse developing
Mert, town Ry, 578	Berks	Stat Clay Co., Cap. 8tk. 8.5900. [J. Bordenax Wa'son, mgc. and s.apt White Chara clay Open pd. 2.000 tons. 8feam.

Park Quarries Ry Conway 56 Be ver Park Tire Chivaco (Jas J. Park, prest), W. V. Park, treas (Park, tire chiv.) Shafts and Stope, Logowo tons, Steam (J. H. Park, Supt.)

### GOLD AND SILVER

LOCATION OF MINE.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STORE
RAILWAYS, WATER ROUTES	
AND SHIPPING POINT.	NAME OF MINE, KISH OF OURF, KIND OF MINE, ANNUAL OFFICE IS LOSS OF 2000 FOR SDS, KIND
	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUTERINTENDENT
Town and Coenty	

Comberland, Joseph Hoxis, Gold and Silver, Open pit, 5,900 tons, horse and hand Linah Ry Hunter's Run 578

Town

Tows

### GRAPHITE

LOCATION OF MIND
or Bank,
RAILWAYS, WAFER ROUTE
and Shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Uwehland Ry. 578.

COUNTY

Chester American Phumbago Mining Co., Reading, Pa., 800 Pennist. Phumbago. Shatt and open pit: steam. H.

### TRON

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Lehigh Cal, Weiler & Bro, Morris Schwer, mgt, and supt. Cap, 83,000. Weiler's Ore Bed, brown hematite. Shaft and open pit, 2,000 fors; steam, Rv. 110, 578.

Boiling Springs, Cumberf'd Boiling Springs Iron Co. Cap. 8tk., 8,00,000, Mt. Holly, Letcher, Ege, Lehman, Henry Clay, Springer, Ry, 578.
Heck, Arnold, hematite and magnetic. Steam, blast furnace.

Bowman's Curbon (P.O. Prince) Ry. 118.

Philadelphia & Reading Coal & Iron Co., Pottsville, Pa. A. A. MeLeod, prest.; F. P. Kaercher, secy., W. C. Church, trens.; C. M. Henderson, ngr. Cumberland, brown henathe. Tunnel and open pit, 30,000 tons. Steam. Asbury Berland, spit.

Cutbon Prince Manufacturing Co., New York, N. Y. 71 Manden lane. A. C. Prince, prest, and mgr.: David Ry, 148. Prince, seey, and treas. Cap. 84k, 800,000. Prince, magnetic. Shatt, slope and tunnel, 65000 fors; steam and water: paint full and ledfis 5,000 fors. Henry McFarland, supt. Berks, E. & G. Brooke Iron Co., Bardsboro, Pa. Geo, Brooke, prest., Geo, W. Harrison, seey. Boyertown, magnetite. Slope, 12,000 tons, steam, blast furnace. John H. Harden, supt.

Boyertown

Ry. 10. Cornwall

Cleversburg, Cumberland, George G. Clever, Cap. \$2,000. Neikirk, brown hematite. Open pit, 2,500 tons; steam, Lebanon Cornwall Ore Bank Co., Robert H. Coleman, prest., R. Percy Alden, seey.; J. Taylor Boyd, trens, and mgr. Cornwall, magnetic. Open pit, 550,000 tons, steam and compressed air. J. C. Boyd, supt.

Ry, 180, 191, Distance

York Lanck & Shelley, Bowmansdale, Pa. Cap. \$12,000. Lanck & Shelley's, magnetic. Shatt, 27,000 tons, steam, David Ott, supt.

Hy., 199, 563

W. H. Letcher, Letcher's, hematite Tunnel, 6,000 tons, steam, R. A. Spahr, supt.

Milbrook Station

Franklin 1., L. Springer, Edenville, Pa. Cap. 81,500. Millbrook, hematite. Open pit, 3,000 tons; steam. Benj. k Station — Mozingo, supt.

Pogetsynne Ry L tzenburg 110.

Five Forks

Lehigh Crane Iron Co., Gatasanqua, Pa. Mr. Dixon, prest., J. 8. Elverson, mgr. Brown hematite. Open pit (410.) and shaft, 6,000 tons, steam. J. 8. Laros, supt.

Goshorn. O Me

Huntingdon Rockhill Iron & Coal Co., Philadelphia, Pa., 320 Walmut st., Win, V. Ingham, prest., J. E. Haverstick, deNeal Ry., seey, and treas., A. W. Suns, ingr., Cap. 8tk, 81,000,001, Shade Gap, tossil, Tunnel, 150,000 tons: horse, distributions—Joseph Ropper, supt. Adams Caledonian Wining & Manufacturing Co., New York City, 93 and 95 Nassan St., Win, R. Male, prest., J. P. Rainiey, seey, and treas J. J. Aberehouse, jurg., and supt. Cap. 84k, 8250,000. Well Hill, hematite. Shatt and tunnel; water.

Graellenburg Ry 563,

Hunter's Run + umberl'd Weaver & Bortz, Cap. 850,000. Lehman, hematite. Tunnels, 10,000 tons, steam. J. A. R. McBride.

From the Northampton P. O. and Rv. Helber-Town 575.

Northampton, John R. Dull & Son, Hellertown, Pa., Hematite. Open pit and shart, 6,000 tons, steam,

Joanna

Berks: Phorny Iron Co., Philadelphia, Pa., 40 Walnut st., David Reeves, prest., G. G., White, seey., J. O., Perse, trens., W. H. Reeves, gen, supt., Jones, magnetic. Open pit, 10,000 tons; steam, blast infinace. Pense, treas , W. H. b John H. Harden, supt.

Kte micr Re 5

Snyder Backel Bros., Freeburg, Pa. Laurel Hill, tossil ore. Tunnel, 1,200 tons. hand. P. J. Bickel, supt.

175

Carbon, Henry Lewin, Bethlehem, Pa., Cap. 850,000, Black Rock, iron. Shatt and open pit, 2,500 tons. Steam.

Waltoning.

Armstrong AlePhaAA & Stone, Mahomag, hematite. Open pit, 2,170 tons,

Franklin, Mont Alto Iron Co., Hematite, Stope and open pit, steam, furnace,

Oll/ Inod/

Smith & Avery, Cap. 85,000. Smith, brown hematite. Open pit, 20 tous, steam,

Huntingdon W. T. Browning (Cap. 815,000). Booker, tossit. Tunnel, two tons, horse and hand: furnace, 35,000 tens. Thomas N. Puckey, supt.

In 25 Pine Grove Furnace,

South Wountain Mining & Iron Co., J. C. Fuller, prest., W. H. Woodward, trens., S. R. Still, mgr., Cap., 8th S.00,000. Hematite. 2000/tons, steam and water, future.

Franklin George to Rock trap. \$1,000. Laurel Valley. Open pit, 9,000 fons steam, futuace.

Rattenhouse Gap ("Berks") Hartzell Concentrating Co., Allentown, Pa., cor. Elighth and Walnut Sts. H. K. Hartzell, prest., T. J. (Crane, seev.), W. S. Phling, Heas ("F. W. Lulle, inst., Cap sfk, sucon Rittenhouse Gap. Shart and slopes, a noncorous, steam, 10 masses—Peter Worst, supp.

Huntingdon

Rock Hill Iron & Coal Co., Philade'phia, Ph., 45 Walnut St. Win A Inglain, ptest., J. F. Havetstick, seev, and treas A W Sains, nigr. Shade Wount, fossil ore Tunnel, 15,000 tons, Jurinec, 2000 tons. J. Repper, sigt.

# IRON (CONTINUED)

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAFITAL STOCK,
NAME OF MINE, KIND OF OMER, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,001 POUNDS, KIND
OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUFERINFEDENT.

Scotland — , Franklin Craig Bros. Cap. 84,000. Brown hematite. Open pit, 3,500 tons, steam. H. F. Craig, supt. Ry, 199.

Seishultzville Berks H. K. Hartzell, Allentown, Pa., cor. Eighth and Walnut sts., cap. Stoopto. B (tenbender and Gelmean, red Ry, Bittenbender 563. Berks H. K. Hartzell, Allentown, Pa., cor. Eighth and Walnut sts., cap. Stoopto. B (tenbender and Gelmean, red hematite. Stopes and shaft, 60,000 tons, steam, lurinaces A. G. Sallade, supt

Shippensburgt umberland | George II, Stewart, | Neikirk, hematite, Ry.Stewart's Siding 199.

Sligo , Clarion - Leonard Tahler. Tunnel and open p.t. 2,500 tons, horse and hand, Ry, 11.

Topton Berks Henry Livon, Bethlehem, Pa., 129 Brond St. Cap. 825,000 Hoch and Dorners. Shatt and open pit, 4,800 By, Fleetwood 578. tons. Steam. Sanon F. Rang, supt.

# MINERAL PAINT

LOCATION OF MINS.
KAIMAAS, WATER ROLITS
AND SHIPPING FORCE.

NAME OF COMIANY OF INDIVIDED A. LOCATION OF PERSONNO OFFICE STATES OF DIFFERS (APPLAY STOCK,
NAME OF POWER LISTS, PART MILES, ETC., AND NAME OF MINS. SUPERINTENDENT.

OF POWER LISTS, PART MILES, ETC., AND NAME OF MINS. SUPERINTENDENT.

Bethlehem Northampton | E. C. Bontelle clocal | Cap. 85,560. | Red hematic and ocher | Open p.t and shatt, 2000 tors, horse and Ry, By, 578. |

Bower's Station | Berks J. R. Clair. Cap 88,000 | Clair's, high grade signia, other and oxide | Scritt, 1,70 tons (steam) Ry, 578.

Cedarville Chester C. K. Williams & Co., Laston, Pa. Umber. Shart, 1,500 tons, water and steam Ry, 563, 578.

Fleetwood ... , Berks C. K. Williams & Co. Laston, Pa. Ocher. Shatt, t500 tons, water and steam Ry, 578.

Rancock Berks, S. Long & Son, De Long, Par. Cap. Storon. Other. Steam. (P.O. De Long Ry. 578.

" C. K. Williams & Co., Laston, Pa. Hancock, Other, Algoritons, steam

Nazareth Northampton Henry Frwar, Bethlehem, Pa. Cap. 850,000. Schnabel, och et South and open pat, 1,290 tons. Steam Ry, 399, 578.

Prince Carbon Rv Bowmans 333, 750. Prince Manufacturing co., New York City, 71 Manden lane. A C. Prince, prest and neg. Day of Prince, sety, and treas. Cap. 8th. sequent Prince, order. Shart, slope, and trained significant a point multiple prince form. Henry Met Latinud, supe.

Reading , Berks C K, Welliams & Co., Faston, Pa. Seenna Shatt, 2,000 tons., steam Ry 563, 578, 820.

Shaner — Northampton Henry Erwin, Bethlehem, Pa. Cap. 850,000. Daniel, other — Shatt and open p.t. 1,200 tons - Steiner (P. O. Santee) Ry.,203.

Topton Berks Henry Erwar, Bethiehem, Pa., 120 Broad St. Cap. 825000. Hach and Dencis, other. Shatt and open pit, Ry, Fleetwood 578 2500 tons (Steam) Smooth P. Raing, 8400.

#### NICKEL.

LOCATION OF MANY,
REDUCES, WELLE ROTTES
AND SHIPPING POINT
LOWN AND COLUMN OF COLUMN OF POINT AND SHIPPING POINT
LOWN AND COLUMN OF COLUMN OF POINT AND ADDRESS OF 2000 POINTS, KIND
OF POWER USER, SMELLUSS, F. J. AND NOWL OF MINE SUFFICIENT AND ADDRESS OF THE COLUMN OF POWER USER, SMELLUSS, F. J. AND NOWL OF MINE SUFFICIENT AND ADDRESS OF THE COLUMN OF POWER USER, SMELLUSS, F. J. AND NOWL OF MINE SUFFICIENT AND ADDRESS OF THE COLUMN OF POWER USER.

Nickel Maies - Lancaster Joseph Wharton, Philadelphia, Pa , P. O. Box 1.32 - Gap - Shatts, 8,000 fons - steam (Capola - Charles RV Gap Station 563. - Tobbe, supt

### SALT

LOCKIDN OF MINE
ON WILL
RAILWAYS, WARTER FORTES
AND SHIPPIND FOIL.
TOWN AND COUNTY

MADE OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OPPICERS, CAPITAL SPOCK
NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WILL, ANNUAL OFFICE IS, ISSN OF 2001

POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SCIPLINIAL OR.

Alberheny — Alberheny — Haller, Book & Co., cor. Western and Beaver avs. Augustine Haller, mgr — Cap. stopeo. Un on Salt Rv 533,564,585,592. — Works, dairy and coarse. Well, 12,000 brls — steam.

Butler Butler Chemical Co. J. H. Troutman, prest., W. J. Cassidy, seey. H. C. Hememan, treas., Schuyler Ry, 563, 588, 592. Frazier, mgr. Cap. 8tk. 860,000. Alf kinds. Well, 56,000 lefts., steam

# SAND

	SAND
LOCATION OF MINE OR BANK, RMLWAYN, WATER ROPTES, AND SHIPPING POINT. TOWN AND COUNTY	NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTFUT IN TONS OF 2,940 FOUNDS, KIND OF FOWER USED, ETC., AND NAME OF SUFFEINTENDENT
Lewistown Muffin Ry, Granville 563,	Janiata Sand Co. Thomas Baumgardner, prest.: Geo, M. Franklin, treas.: B. F. Irving, mgr. Cap. 8tk. 800,00. Janiata, flui glass sand. Tunnel, 30,000 tons; steam. C. P. Dull. Cap. \$20,000. Excelsior, white sand. Slope, 20,000 tons; steam and horse.
44	Macklin & Stevenson. $M, X S_\alpha$ flint glass sand. Tunnels, 14,000 tons; steam. Samuel Hatheld jr. Cap. \$12,000. Mapleton, glass sand. Open pit, 36,000 tons; steam.
Vineyard Mittlin (P.O. McVeytown) Ry, 563.	Enterprise Sand Co., McVeytown, Pa. Win, Fwing, mgr, and supt. Enterprise, fluit glass sand. Tunnels, slope and pit, 25,000 tons; steam, stone mill.
	SLATE
Location of Quarry, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF FOWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.
Bangor Northampton Ry, 47, 395, 565.	Acme Slate Co. John W. Underhill, prest.; J. H. Shull, seey, and treas.; Wm. A. Winsboro, mgr, and supt. Cap. stk. 8150,000. Acme, roofing slate. Open pit, 7,000 fons; steam.
	American Bangor Slate Co., Easton, Pa., 448, Third St. Frank Reeder, prest.; J. Edgar Mitchell, seey, and trens., Cotton Amy, mgr. Cap. 8tk., \$100,000. American Bangor, slate. Open pd, 5,000 tons; steam, mill. Win. Kellow, supl.
	Auld, Conger & Co., J. W. Conger, prest., W. E. Lloyd, seey, and mgr. Cap. 8tk, \$30,000. Bangor Union, slate. Open pit, 8,000 tons; steam, mill. W. D. Jones, supt.
	Bangor Southern Slate Co., Ltd., New York City, 38 Park row, F. W. Dunton, prest.; E. J. Johnson, seey., treas, and mgr. Cap. stk. \$200,000. Bangor Southern, roofing slate. Open pit, steam.
**	Columbia Bangor Slate Co. Cap. \$25,000. Columbia Bangor, roofing slate. Open pit, 6,000 tons; steam, G. H. Mutton, supt.
	Northampton Slate Co., Samuel Flory, prest.; E. H. Albertson, seey.; Chris Walters, treas., Charles Detrick, mgr. and supt. Cap. 8tk. \$150,000. Northampton, roofing State. Open pt; steam, mill.
	North Bangor Slate Co., Newark, N. J., 4t Camp st. Elkanah Drake, prest, and treas.; F. W. Wilkinson, secy., Chas. E. Snyder, mgr. and supt. North Bangor, slate. Open pit, 54200 tons, steam, mill.
liv. 4c.	G. Frank Messinger, Tatamy, Pa. Cap. 825,000. Beltast Hard Vein, slate. Open pit, 1,000 tons, steam. Thomas Evans, supt.
	Northampton Hard Vein Slate Co., Easton, Pa., 700 Walmut av., James Young, prest., Geo, W. Geiser, seey., Theo, Whiteself, treas, and mgr. Cap. 8tk, \$25,000. Northampton Hard Vein, slate. Open pit. 6,000 fors, steam. A. E. Steller, supt.
	Pennsylvania Hard Vein Slate Co., Easton, Pa., Easton Trust Co. Bidg., Geo. W. Geber, prest., N. A., Fulmer, secy., Birge Fearson, treas., mgr. and supt. Cap. stk. 825,000. Pennsylvania Hard Vein, slate. Open pit, L500 tons, steam.
	Portland Slate ( o. 4, J. Johnson, prest., J. L. Watson, seey, and treas.) Wm. W. Jones, supt. and mgr. Bellast, roofing slate. 6,000 tons, steam.
44	Flico, Whitesell & Co., Easton, Pa., 700 Walnut, av., Cap. 80,000, Whitesell Hard Vein, slate. Open jul, 10,000 tons, steam. E. P. Lamb, Supt.
Bethlehem Northampton Ry, 918, 578.	old Bangor Slate Co., J. S. Harris, prest., J. S. Moyer, seey, and treas. Cap. stk. \$250,000. Old Bangor, slate. 47,000 tons: steam, horse and hand. Chas. Shuman, supt.
Brotheck's York By, Green Ralge 804.	
Chapman Northampton Ry and P.O. Chapman Quartic 1995	seev. Cap. stk. \$899,300. Chapman Hard Vem, slate. Open pit, 6,200 tons, Steam. Richard Chap- man, supt.
Chapman Quarries Northempton By. 2%	Keystone Slate Co. Robt, C. H. Brock, prest., Arthur Brock, seey, and treas., Henry G. West, mgr., and supt. (ap. stk. s200,000. Keystone, roofing slate.) Open pit, 25,000 tons, steam, mill.
	Excelsior Slate Co., Camden, Y. J., Third and Market sts. Win, Whitner, prest., G. W. Creighton, seey, and treas—cap. stk. \$50,00. Excelsior, slate. Open pit.—steam (developing). John D. Schater, supt.
	Tranklin M. Hower, Cap. 875,000, Peach Hill, slate. Open pit, 5,000 tons, steam. J. K. Hower and V. A. Bossard, supts.
Defta York Rv. 41.	Wm. O. Hughes, supt.
	Excelsior Slate Co. R. L. Jones, prest, and gen. mgr., Fred. R. Williams, seey, and treas. Excelsior, roofing slate. Open pit. steam. W. Penn Jones, supt.
	<ul> <li>R. L. Jones &amp; Co. Old Fag, rooting state. Open pit, steam.</li> <li>Peerless state Co., Pitt Jurg, Pa., 47 Seventh St. E. M. Aiken, prest., H. L. Aiken, seey. Peerless.</li> </ul>
	Open pif, steam, John W. Jones, supt.

V. G. Stillds & Son. Thiothy F. Morgan, jug. 1. Stillds, pooling slate. Steam.
 ISA 47.
 ISA 47.
 ISA 48.
 ISA 47.
 ISA 50.
 ISA 50.</

# SLATE CONTINUED

LOCATION OF QUARRY, RAILWAYS, WATER HOUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTFUT IN TOSS OF 2,000 POUNDS, KIND OF POWER CKED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.
TOWN AND COUNTY.	
$- EastBangor, Northampton\\ (Continued,)$	East Bangor Northern Slate Co. James Masters, prest, and treas., John Longmead, seey., mgr. and supt. East Bangor Northern, roofing slate. Open pit, 1,200 tons, steam.
	East Bangor Slate Maning Co. Henry Williams, prest., James Masters, seey., mgr. and supt. Cap. 8tk. \$12,000. Old East Bangor, rooting slate. Open pat. steam.
	Standard Slate Co. Cotton Amy, prest, and mgr., Clas. 8 Ford, seey, and treas. Standard, rooting slate. Open pit, steam. Wit, W. Amy, supt.
	Star Slate Co. John K. Difchett, prest and supt. Chas. S. Ford, seey. Cotton Amy, treas, and mgr. Cap. 40,000. Star roofing slate. [0,000 tons; steam, hull.]
Ry, Edelman 47.	Edelman's Hard Vent Slate Co. W. Dorenius, prest. H. Frauger, seey., N. H. Hett, Ireas., T. Jones, ingr. Slate. Open pit. steam, 3.09 fors.
	Flory & Lehr Hard Vein State Co., Easton, Pa. F. H. Lehr, prest., Calvan Viner, seev. Horace Lehr, treas. Cap. 8th 825000. Flory & Lehr Hard Vein, state. Open p.t. steam. Lugene Hartman, supt.
Ry, 578.	George Bower, Calasanqua, P.a. Cap. 8104000. Lynn, slafe. Steam, m.38.
	Enterper e Slate Co., Philadelphan, Pa., 1822 Libert St. D. P. Wennamaker, prest, J. H. Bachman, seey., J. E. Wandalich, treas., O. M. Snyder, mar. Cap. 8tk. 850,000. Ontakamec, slate. Open pil, 6500 tors, steam, mills. W. Fo'warler, 840b.
Mt. Bethel Northampton Ry, 47, 565.	Mount Rethel Hard Vein State Co., J. Moore, pre t., B. F. Raesly, seev., R. J. Greever, treas. Cap. 8tk., \$25,000. Mount Bethel Hard Vein, slafe. Open pit, steam. Owen O. Williams, supt.
Hý. 563, 578.	Keystone Paurt Co., W. Bannspott, Pal, cor., Third and Pine sts. Tischa Gray, prest., M. L. Downing, seey, H. I. Ames, Briers. Ames Bannond, mgr., Cap. 8th 850000. Slate and schen. Open pit, 500 tors, hand, fmlf. J. P. Barbour, supt.
Pen Argyl Northampton By, 47, 565, 395,	William Harding & Co., Main 81, Cap. S16,000, Albaon, black rooting. slate. Open pit. Steam. Renben. Harding, supt.
	Jackson Bros. J. H. Jackson, pp. 1, vecy and trees , J. F. Jackson, mgt., Cap. sfk, 810,000, Jackson Bros., rooling slate. Open p.l. 5,000 tons, steam, mill. John D. Symons, supt.
(0)	Jackson Shife Co., Schank av and Main St., Richard Jackson (r., m., et al., mol supt., Cap., 8tk., 855000, 8t., Ethe', rooting state. Open pit, 4,500 tons, 8tonia.
	Lackawanna Slafe Co., Geo. H. M. 'er, prest and mgr. John Truneyse, seev. A. C. Young, treas. Capsik 825,000. Lackawanna, cab Open pd. 199,000 forus, steam. Joseph B. Kerlein, 8 pd.
•	Wi'ham Lobb & Sons - Cap Space - Vbron, rooting state. Steam.
	William Masters (cap \$10,000 - 1 years or, rooting state, and ) tons (steam
	James II. Simpson & Sen. D., in and State Works, tooling state. Open jet, 4,500 lons, steam, mills Fronei ik II. Simpson, supt
	Stephens, Jackson & Co., Courtney, rooting slate. Open jet, steam
	Un ped States, State, Co., Thos. Lasher, prest. F. K. Armstrong, seev. John Lobo, mgr., Un ted States, rooting state. Open p.t., a too tons., sleam.
RV 47, 565	(dob) Hard Vein Slate Co., New York City, 76 Wall St., M. K. Jvellein, prest. J. R. Stanton, serv. A. O. Allen, tycas, and maj. Cap. 4k, 845,000. Globe Hard Veta, slate. Open per.
Ry, Catasauqua 578	Zeggentuse State Co. Geo. Zeggentuse, mgt. Cap. 8tk \$20,000. Zegentuse, state. Open p.l. 2,000 fors. steam.
Stateford Northampton Ry 200	Snowden Slate Co. Henry Green, prest. John H. King, seev., treas and negl. Cap. stk. storoot. Snow-den, rooting slate. Open pd, 1750 fors. steam, mill. H. P. Jones, supt.
Statuston Lehigh Rv 3/3, 578, 565.	Rue Valley Slate Co., Maon st., L. D. Peters, prest., A. P. Nell, solv., Jord Nell, trens, jugt, and supt., Cap stk, 850,000.   Blue Valley (cooling slate)   Open pd., 6000 tons (steam) in his
	Carbon State Co., Cap. \$40,000. A arbon, tooling state, steam and horse, in 2. A 2's Obvens, supt
	Samuel Caskee - He inbach, slate - P Land shart, klowlons, steam
	G. R. Davies & Son. A Wearing Penn, tooling state. Open pit and tunner astronomic
	Henry Fulmer. Fulmer's, tooling Saite. Open p.f. 1,200 lons.
	Henry Kuntz (Cap. 872500). Big I bank'n, Washington Bangor, 8 vol. Brook, Old Washington and Mountain Both, black tooling state. Open p 18 and baniel, 7, oo fons. steam. James L. Foote, supt.
	Old Lehigh State Co., Philadelphia, Pa., 1926 Atch St., Penavu, Slate. Open rel. steam, Lactory W., Bachman, supt.
	F. D. Pripers & Co., Copp. 8900001. Frank' in Union, rooting shale. Open p.t. 2000 fons, steam. Bootingin Manuelle, supl.
	Sugarya He Shire Quartying & Manutachi and Contract M. Dodson, prest (Good W. Schmocker, Sections and Rachman, from Summel J. Kistler, mgr. and supt. Cap. 84k, 85 (2000). Suggersy (e.g., etc., Open pd., growtons, Strain.
	A. P. Steckel. Gerard, Dr. Frank'ın and B., Franklin, slate. (2,600 forms, steam,
	David Williams - Slate - Open p t. 1,404 forms, steam, J. W. W. Haams, supt
19	O. I. Wiftams & Son. Cap. 840,000. Williams' Large Veins, slate. Timnel, steam
Stearsy Be Lehigh Ry, Wanamakets, 578.	$Rehr \otimes Cricker, \ Rooting slate \ ind \ flagging = O_{pen} \ pits, 4,000 tons, \ steam = 0 \ av \ TW = sock s. \ pt = 1000 \ pits$
	$Boyer_{s} Beck(x,Son_{s}) John (H. Bock, mgt) \\ and Supt. (Softe Dam, tooling (State)) Open (piff) the unitarity of the state of the $

Wa mutport Northampton, R. Raymond Jones, Cap. 81, 200. Roofing State. Open pt, 500 tons, hos-Ry 138, 565.

. Wim Groffith & Son, Oan Cay Co. Part Cap, \$6,000. He abach state of Colar Carl Carl Can and Son.

### SLATE (CONTINUED)

LOCATION OF QUARRY,	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERIODIAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
RAILWAYS, WATER ROUTES	NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNIAL OUTFOR IS TOSS OF 2450 FOUNDS,
AND SHIPPING POINT.	KIND OF POWER USEP, MILLS, ETC., AND NAME OF QUARRY STREMINTENDENT.
Town and County.	

Wanamakers Ky, 578.

West Bangor Ry, Delta 44.

Work Lawrence Co., Philadelphin, Pa., 122 Entawest. Jos. Leberman, prest; August Liebohl, seey., James V Macbonnell, treax., John Lones, neg., and supt. (cap. 84k, 810000). Reading, roofing slate. Open pt. oo. (pp. 1012) Penn av. W. J. Rowlands, prest.; E. W. Evans, seey., Ry, Delta 44.

Ry, Delta 41.

Wand Gap Northampton Alpha State Co., Bangor, Pa. Win, A. Winshoro, prest, inger, and supt.; H. Underhill, seey.; Miner Ry, 47, 26, 545.

"Mineral State Co., Strondsburg, Pa. H. J. Kotz, prest, Open pit; steam (developing).

"Imperial State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; Rolet, J. Vasseur, mar. and supt. Cap stk, \$150,000, Imperial, roofing and school state. Open pit, 2500 Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, seey.; Allen Metzgar, treas.; 2500 Co., Alpha State Co., Strondsburg, Pa. H. J. Kotz, prest, Morris Evans, Scottan, Pa. H. J. Kotz, prest, Morris Evans, Scottan, Pa. H. J. Kotz, prest, Morris Evans, Pa. H. J. Kotz, prest, Morris Evans, Pa. H. J. Kotz, prest, Morris Evans, Pa. H. J. Kotz, prest, Pa.

Wand Gap Slate Mig. Co., Belvidere, N. J. Ellwood Vapbinder, prest.; P. S. Vetter, seey., Reuben Emery, treas., C. Stanley, nogr. and supt. Cap. 8th, 840,000. Wind Gap, Slate. Open pit; steam, mill.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OF QUARTY,
RAILWAYS, WASTER ROUTES
AND SHIPTING TOURL
TOWN ASP COUNTY

NAME OF CONTY

NAME OF MINE OR QUARRY, KINI-OR STONE, KINI-OR MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF
2.00 POUNDS, KINI-OR POWERT CE-E., PROME OR MARBLE MILLS, LIMERILES AND
CAPACITY, ETC., AND NAME OF MINE SUPERINTEDENT

Agnew Beaver 'John Ronnigh: Charles Cheney's, freestone and sandstone,
Ry Conway 5ed.

Annyille Lebanon Batdort & Beaver. West Annyille, hinestone. Open pit, 15,000 fons; hinekilns, 6,000 fons.

" Mauliair & Forney, M. & F., limestone. Slope, hand and steam; limekilns, 8,400 tons Ayoca Luzerne Seamans & Hollister. Ayoca Stone Quarry, greenstone. Open pit; horse, mill.

By 253, 252, 118, 553

Avoindate Che-ster Acme Lame Co., Etd., R. H. Hepburn, prest, and mgr., J. Kirk, Mevlins, seey.; Joshua, Hant, treas, Cap. By 553, 557.

Stk. \$12,000. Acme Avoindale, after, marble. Open jul. 37,000 fons, steam. George M. Keir, vijet.

Avondale Lime & Stone Co., Philadelphia, Pa., 202 Chestnut st., Wm. Henderson, prest., Samuel Gayley, seey. Frank Williamson, trens., John G. Williamson, mgr. Cap. stk. 85000. Avondale, limestone, upp. In 5,000 tones. J. Warren Divers, sipt.

Bardsboro Berks James Humphreys, Cap. 82,009, Hampton, brownstone. Open pit, 3,000 tons, horse and hand. Rv. 563, 578, 820.

Barnangiana Huntingdon (Cambria Fron Co., Philadelphia, Pa., 218 8, Fourth st. Powell Stackhouse, prest.: —— Kyle, secy., W. S. Robinson, treas., Chas. S. Priec, gen. nigr. B.tinengham, limestone. Open pit, 200,000 tons; Steam, mill. S. B. Isenberg, supt.

Blairsville Indiana Annie M. Wilson, Feldman, building stone, Hand W. D. Jones, supt. Rv. 563.

Bradford McKean National Brick & The Co., 18 Main St. L. Finery II., prest., Robt. L. Edgett, seey, and treas., C. M. Cook, By. 85, 12, 703, 72 mgr., Cap. 8tk, 820,000. Lewis Run, red shale. Open pit, steam.

Carim P. O. Williamsburg (P. O. Williamsburg) (P. O

Chester Delaware ( W. Andrew (local), 1512 Highland Tercace Granite Open pit, 4,500 tons; hand, Rv. 42, 563, 578

beger & Lewis, Philadelphia, Pa., 2301 Chestinit st. Cap \$55,000. Leiper & Lewis, gness, grainte. 20,000 forc, steam and horse.

8 S. Defwiler & Co., Cap. \$55,000. Defwiler's, stone. Open pit, 30,000 tons, dynamite. Nelson Cooper, supt.

Columbia Lancaster 8, & G. Hoffman, Cap. \$4,000. Hoffman's, binestone 22,500 tons, steam; mill. 8, 8 Hoffman, supt.

Ry, 568, 563
Connell-valle
Ry 42, 563.
Fayette Hope Manufacturing Co. W. D. McDowell, prest—David Williams, seey, and treas : R. J. McDowell,
ingr. and supt. Cap. vtk. 85,000. Hope, sandstone—Open pit. 12,000 fons, steam, sand mill.

Keeling, Ridge & Co., Pattsburg, Pa., 11) Smithfield st. Cap. \$1,000,000. Belgian Block, paving blocks. Open pit, steam, horse and hand. Pattick Ridge, supt.

 " Snyder & Bair Cap, 85,000, Sand Rock, white sandstone, Open pit, horse (developing), Geo, B Snyder, supt.

Conway Station — Beaver — Park & Park, Park Quarries, Pa. — Badem building stone — P. O. Eark, Quarries — R. 5.5.

t powther Ry, 502 Laughlin, & ( ) . Ltd., Pittsburg, Pa., cot. Third av and ( ) v st. H. A. Laughlin, prest., James Laughlin, B., seeg, and treas., W.C. Quiney, negt. Newton's, Linestone. Open pit, 67,500 tons, hand and steam, mill. Damed Jones, supp

Dillsburg . Aork Tehl Rros Jocab. Cap. \$4,000. Evans, himestone Open pit, 34,000 tons, horse, kiln, 1,200 tons. John Rv. 199. Feld, supt.

Durlach Lancaster Helmit & Wike. Turkey Hill and Cocalico, pebble that sandstone. Open p.4, 200 tons; hand, mill. Ry, Ephrata 548.

Benjamin Wissler, Lincoln, Pa. Cap. \$5,000 | Cocaheo, millstone. Open p.1, 50 tons, hand; mill, Linamiel Helmly, supt.

Easton — Northampton John O Wagener & Co., 33/8, Fourth st. West End and East End, soup-tone, tale and silicate. Slope Rv, 118, 201, 33, 53 — and open pd. 2,500 tons, water, stone mill and pulverizer.

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT. NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR OFARRY, KIND OF STONE, KIND OF MINE OR OTARRY, ANNUAL OUTPUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, STONE OR MARRIE MILLS, LIMERUSS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

COUNTS

Easton Northampton C. K. Williams & Co. Soapstone. Open pit, 2,000 tons; water and steam. (Continued.)

Frankford Philadelphia Barboui & Ireland, Cap Sau,000, Frankford, blue guess and granite, 40,000 tons, steam, mill. E. Bythe Ry, 563, 578. way and M. Dem, supts.

Freeburg Snyder, H. H. Glass. Limestone. Limekiln, 500 tons. Ry, Selins Grove, 563.

C. S. Pyle, Wayne st. Germantown, hard bluestone. Slope, steam, mill.

Gettysburg Adams, J. W. Flaharty, Wolf Hill, granite, 400 tons, hand,

Ry. 578, 804

Adams Caledonia Mining & Manutacturing Co., New York URV, 23, and 25 Nassau St., Win, H. Male, prest., J. P. Ranney, seey, and treas , James J. Worehouse, figr., and supt. († 49 Stk. §250,000.) Fond Bank, white granute and lither, Open pit, Seam, mill. Graeffeulung Rv. 563.

Nathaniel Lightner - Powers Hill, diabase, granife. Open pit, hand,

Greenville Mercer Amy & Co., Cap. \$5,000. Plagstone: Open pit, hand and steam, mill. C. P. Amy, supt. Ry. 563, 503, 588

Altroyamua. Montour John Christian Ry. 57

Hellertown Northampton, II. D. Heller, Stevens, finiestone. Open pit, 28,00 (tons). Hand and horse: Samuel Kostenbader, supt.

Holmesburg Philadelphia House of Correction, Philadelphia, Pa James A Freeman, prest. House of Correction, bluestone, 22,725 Ry. 563. tons, steam, horse and hand; mill

Hoovers allo Somerset, L.J. Blough & Son, Joent. A unestone. . Lunnel, 50 tons, land, limekiln, 50 tons Ry. 42.

Hummelstown Dauplin Christian Hershey Cap. 850,000. Brookside, limestone. Open pit, 30,500 tons, horse, mill, binekiln, 15 Ry, 578.

Maulfau & Fotney, Annyille, Pa. (Lagle, Emestone). Stope, hand and steam, funckilns, 8,000 fors

Middletown & Hammelstown Stone Co., Jos. Campbell, prest., Chas. Raymond, seey., Geo. II. Grove, treas, mgt, and supt. Cap. 81k, 875,000. M. & H., brownstone, and limestone. Slope, 80,000 tons, steam, milt.

Idayille Adams Sylvester Fishel 4 ap. 85,000. White flint stone. Open jut, 3,000 tons, horse. H. J. Gardner, supl Ry 578.

Fronton Lehigh Diehl & Folk. Diehl's, slate stone - open pit, 18,000 tons, steam, mill By, 330.

Thomas Iron Co., Hokendanqua, Pa., Samuel Thomas, prest. Wm. Andrews, m.gr., Schadt & Keeter's, limestone. Open pil, 20,000 totis. steam. Joseph Keeter, supt.

Jersey Wills Excountry J. R. Glover, Cap. 820,000. Glover and Underwood, a Sottons, horse and hand Ry. 257.

Thomas Parket - Llagstone - Open p.t. horse and hard

Knaper Town Chester Droys Smaller Cap 80,000 Talls of French Creek, payar, stone 7,500 tons steam, mill John Peters : Ry P. O. St Benny, supt.

Laneaster Lancaster for L.H. Maxer Willowst, Guess building stone, 14 and Ry, 563, 578,

Langborne Bucks Langhorne Spring Water Co., Charles Hill, prest , John S. Wright, seey and treas. Building stone, Ry. 563, 578. Open pit, 1,000 tons, hand

Susquehanna Haram Buck, Cap \$1,500. Buck, Idnestone. Open pit. hand By. Nicholson Station 2023

Delaware Jesse Hibberd Cineiss tock Linua Ry. Glen-Rubile 55

Littlestown Adams (George N. Riffle & Bro. Cap. 81,500). Limestone: Steam, mill, limekida, sortons Rv. 563.

Melvee's Gap iata Ganister Co. A.S. Motrow, prest., J. 4. Hariman, seey., tiens, and ingr. Cap. stk. s55,000 McKee's Gap, ganister... Slope, 50,000 tons... dynamite... Harry Sellers, supt. Blad Juniata Gamister Co. IN. 563

Malioning Armstrong Mcl Itavy & Stone. Mahoning, limestone. Open pit, 6,5to tons Ry. 11.

Mauleton Huntingdon Speer White Sand Co., Pittsburg, Pa., Hamilton fildg., J. H., Speer, seev. and treas. N. leton Depot. ——Cap. 8tk, 850,000. White sandstone—Open pit, 60,000 tons, steam., L. M. Speer, supt. P.O.Mapleton Depot: Rv. 563.

Swope & Gayton. Swope & Gayton's, limestone and sandstone. Open pit. J. N. Swope, 84pt.

Markle Hall Marble Hill Quarty Co., Pictsburg, Pa., Pennay - Robert Smith, prest - V. P. Kertand, seev and 10 - E. K. Morse, ngr. - Gap, stk. \$50,000. Marble Hill, brown ligomet, grainte, Slope steam - D. Somerson P. O. Confluence - Ry Patton, supt.

Mettztown Berks Henry J. Frexler : L. Drexler, sunt. H. J. Trexlet's himestone. Open pit, 4,500 tons, steam. im., Line i. in. 4,000 tons, July. Ry. 578.

Morrell Huntingdon H. J. McAleer. H. C. Beek, fugt. and supt. Union Furnace, limestone - Scope, 48,000 tons, steam in f. By Union Furnace 563

Mt Pleasant Westmorel'd J. H. Rumbaugh, local Lamestone, Open p.t. 200 tons, hand, kifn, socious Hy. 507.

# STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

COUNTY Lows AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OF QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MABBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

New Brighton Ry, 563 and 591. Beaver Beaver Valley Stone & Clay Co. Jos, Wilson, prest.; W. C. Peatling, seey, and treas.; Wm. Fish, mgr., and supt. \_Cap. stk, \$35,000. Block House Run, sandstone and clay. Open pit.

Now Calibre Beaver Joseph Hartman & Son, Pittsburg, Pa., 6215 Station av. Hartman's, sandstone. Ry. 563.

Park & Park, Park Quarries, Pa. New Galilee, dimension building stone, Nicholson Wyoming Moses Shields jr. + cap. \$20,000. Nicholson, flag and building stone. Open pit, 9,000 tons; horse and steam, Rv. 209.

Orbisonia Aluntingdon J. Brodbeck. Grove, Innestone. Open pit, 300 tons. Ry. Rocky Hill 235

Overbrook Montgomery J. T. Stadelman,' Stadelman's, blue granife. Open pit: steam,

Rv. 563.

Palmyra Ry, 578. Lebanon Maultair & Forney, Annyille, Pa. Gingrich, limestone. Slope; steam and hand; limekilns, 8,000 tons,

Perkiomenville Fisher & Son. Cap. \$2,000. Deep Creek, Belgian blocks and dimension stone. Hand; stone mill, 200 tons, Ry, 573. Montgomery

Pacture Rocks Lycoming Charles F. Billamboz. Picture Rocks, bluestone, flagging. Open pit, 5,000 tons; hand. Ry. 815

George West, Cap. \$2,000. Picture Rocks Stone Works. Open pit, 200 tons; hand, Pitt fon Luzer 1(y. 118, 209, 252, 393, Luzerne Symington & Perrin, 9 Montgomery St. Blue building stone. Open pit: steam.

Ridley Park Ry, 577, 42. Delaware Joseph H. Ward. Cap. \$15,000. Crum Creek, gray granife. Open pit, 14,000 fons; steam. Joseph Smiley, supt.

"Somerset J. C. Mespadden. Cap. §25,000. Somerset, blue" and brown paying blocks. Open pit, 50,000 tons; steam; mall. M. J. Corrigan, supt. Rockwood Ry. 42.

Berks - Keystone State Granite Co., Shenandoah, Pa., 427 N. Jardin st. - J. H. Master, prest., M. H. Master, sery, and mgr. - Granite - 200 tons, horse, Seisholtzville. Ry. 578.

Shamlines Montgomery Wm. P. David & Co. Limestone. Open pit, horse and hand, kiln, 11,812 tons. (P.O. Bridgeport) Ry

Sherman Wayne O. M. Kingsbury & Co., Hales Eddy, N. Y. Flagstone Open pit, hand,

Ry. Hales Eddy 503. Bradford Silvara W. A. Bennett, Cap. \$5,000. Bennett's, flagstone. Tunnel, 2,400 tons, horse, Ry. 8kinners Eddy 578.

Monroe Spragueville Detrick & Cramer, Analomink, Pa. Cap. 82,000. Spragueville, bluestone, rock powder. Mill. P. O. Analomink (Ry.

Spring Creek Sta. Lehigh (P. O. Treylertown) John A. Waibert, Limestone. Open pit, 6,000 tons; horse and hand. Jacob Miller, supt. Rv. 110.

Spring Mill Montgomery (P. O. William Penn) Ry, 573, 578. William Little, William Penn, Pa. Gray ironstone. Open pit, steam, stone mill.

Spripa Mt. Montgomery J. W. Klein. Cap. \$30,000. Spring Mount, grainte. Open pits, shatt, 8,000 tons, steam and hand, mill. Tey. 57

Waym Starrucca O. M. Klingsbury & Co., Hales Eddy, N. Y. Flagstone. Open pit; hand. Ry., 503.

Swatara Station Dauphin Swatara Stone & Lime Co. Cap. \$10,000. Swatara, limestone. Open pit, 250,000 tons, horse and hand; IO. 578. kiln. 1. H. Balsbaugh, supt.

Cumberland Sylvester Fishel, Idaville, Pa. Cap. 85,000. White flint stone. Open pit, 3,000 tons; horse, Baten Ry 578 Beam, supt.

Walkers Wills Allegheny Walkers Mills Quarry Co., W. W. Hazleff, ingr. and supt. Cap. stk. \$20,000. Walkers Mills, sandstone, Open pd. 00,000 tons, steam, horse and hand.

Lawrence Consolidated Stone & Mining Co., Pattsburg, Pa., 91 Fatth av. John G. Ingham, prest., G. B. Ingham, mgr. Cap. stk. 825,000. Rock Point and Spangler, sandstone. 25,000 tons, steam, horse and hand. mgr. Cap. stk. \$25,000. James Connor, supt.

Cheenie J. F. B. Phillips & Sons. Cap. \$200. Rees, building stone. Open pit, mill.

J. A. Ruth. Ruth's, limestone. Open jut. lamekiln, 320 tons.

Philadelphia & Conshecter Stone Quarry Co., Philadelphia, Pa., 256 South Fourth 84. E. J. Matthews, prest. II. C. Legheston, sees, and treas, F. D. Kuch, ingrand shipt. Cap. 8tk, 5100,000. Philadelphia & Conshecton, foundation and building stone. Open pdf, 2000 tone, steam and hand.

Thomas Satton, Canton, Pa. Cap. \$2,000. Bluestone. Open pit, tonocortons, electricity, mill. Samuel .Bradford

Westmoreland Fire Brick Co., Pittsburg, Pa., Hamilton Bldg., John George, presk: M. M. O'Connell, seey, and gen, mar., John A. Wilson, Cross. Cap. 8tk, 80000. Westmoreland, fire clay and sandstone, Trimel, Secan developing. F. R. Reed, 8000. Westmoreland Not a P.O. (Ry. 563)

Williams, Mill. Cumbert'd. H. K. Spalit, Williams, Mill, Pa. Williams, lime and building stone. Open pit, electricity and band, limelity Williams, rave 588. killis, Latin tons.

Union C M PRooks & Co. Winneld, lanestene. Open p.t. 4,500 tons, horse and hand, Kilin, 4,500 tons.

Winto bl

131 Wamponi

Waynesburg

By. 804 Wernersville Ry 578.

West Le Roy.

Westmoreland

West Consholiocken

Ry, Canton 528.

Berks

Montgomery Ry, and P. O. Consho-

### STONE MARRIE GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

P. O. Milford Station Ry. 42.

Somerset Somerset Stone Co., Johnstown, Pa., 88 Franklin st. John Murdock, prest, and nigr.; J. M. Lawyer, seey.; I Station) J. M. Murdock, trens. Cap. stk, \$50,000. Bare Rock, sandstone. Open pit, 30,000 tons, steam.

Wrightsville . Rv. 563.

"York Kerr Bros. Cap. \$20,000. Limestone. Open pit, 30,000 tons., steam; limekilns, 30,000 tons.

Wyalusing Bradford (P. O. Lime Hill) Ry. Hornets Ferry 393.

Bradford, D. Y. & L. W. Caswell, Lime Hill, Pa. Flag and curbstone. Open pit, hand,

#### SEE ALSO SUPPLEMENTARY LIST

# RHODE ISLAND

### COAL BITUALNOUS

LOCATION OF MINE. RATEWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE SUPERINTENDENT

Aafley Falls - Providence - Blackstone Coal Mining Co. ). II. Clark, prest., John F. Clark, seev., Edmund Clark, treas. Cap. 81k, 80,000. Blackstone - Shatt, 600 fors. steam.

### STONE, MARBLE GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS WATER ROLLIES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUALITY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TORS OF 2.00 Pounds, Kind of Power Used, Stone or Marrie Mills, Limerius and CAPACITY, FTC., AND NAME OF MINE SUPERINTENDENT.

AND COUNTY TOWN

Burn's life

Providence Onkland Gramte to , Providence, R. I., 48 Eveliange pt. R. 8. Laft, mgr., Cap. 8tk, 820,000. Onkland, pleville, Ry. — grainte, Open pd. 25,000 tons, steam, horse and hand. Paul Brodie, supt. P.O. Mapleville, Ry.

Oakland 503. Crompton By Centreville 513

Kent, Joseph M. Larbox, Last Greenwich, R. L. Vap. 81,500. Turbox, granite 209 tons, hand

Johnston Providence I II Angell local Grande. Open pit horse and hand P Centredale Ry. 513

R. W. Harris (local). Cap. 82,000. Granute. Open pit, 500 fons. steam.

New port Ts1, 108, 540

Newbort A. F. Anthony, Coggeshall av., Cap. 8200. Anthony's Open put, 5000 tons, hand, stone milk.

Number Ry. Westerly 50s.

Joseph P. Coffon docado, 2014 thames st. Granute. Open pd. 1900 tons. steam. James A. Austin, sapt Washington A. G. Crumb & Sons. Cap. 835,000. Gramb | Open pit, 2,000 tons., steam | E. A. Crumb, supt

North Kingstown Washington

Othey Granute Co., Wickford, R. L., Cap. Stk., 800. Othey's, granute. Slope, 2,000 tons, house and hand

P.O & Ry Wickford 1990 Smithfield Ry. 513.

Providence John W. Mathewson & Son, Greenville, R. I., Clarence H. Mathewson, mgr. and supt. Cap. 88,000 Waterman Ledge, granute. Open pd. 2,000 tons, steam.

Westerly 10 508.

Washington Calder & Carme, 47 Dixon st., Cap. \$5,000., Calder and Carme, Granite., Open p.t. 2000 tons. horse

John E. Collins. Cap 810,000 Cormorant Hill, grande. Open pit, steam. Adam B. Acel & supt.

Murray, Archie & Co., George Thackeray, prest. Jas. C. Archie, seev., Wm. G. Archie, treas. John Murray, mgr. and supt. Gap, 8th, 810,000. Gramfe, 8,000 tons, 8team.

New England Granife Works, Hartford, Conn., do Wain st., James G. Patterson, po st. and 10 as., W. V. Wightiam, seet, James Gourley, mgr., and supt., Cap. stk., 8250000 | Rhode Island, granife (Open pit and slope, falsa) tons, steam [mil].

### SEE ALSO SUPPLEMENTARY LIST

# SOUTH CAROLINA

#### BARYTES

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN LONS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

LOUNTY

Blacksburg

Ry. 622, 121.

York Blacksburg Mining & Milling Co., J. W. Bettin, prest, and mgr.; John T. Jones, seey.; Thos. I treas. Cap. stk. \$50,000. Westmoreland. Open pit, 10,000 tons, hand. H. C. Wilkins, supt. seey.; Thos. B. Gantier,

Blacksburg Minling & Milling Co., J. W. Bettin, prest.; John T. Jones, seey.; Thos. B. Gautier, treas.; J. D. Bettin, mgr., Cap. stk. \$50,000. Kings Greek. Open pit and tunnel, 15,000 tons; water, Jacob Johnson, supt.

### GOLD AND SHAER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUFERINTENDENT.

Glenn Springs Ry. Spartanburg 622.

Umon Golden Gate Mining Co., Spartanburg, S. C. E. N. Higley, prest, mgr. and supt.; R. A. Oliphant, seey.; 26 622. — Andrew Thome, treas. Cap. stk. \$100,000. Golden Gate, gold. Placer: hydraulic and steam.

Thomson Gold Mining Co., Spartanburg, S. C. William Fowler, prest; L. C. Cannon, seey, and treas,; Edward McDowell, mgr. and supt. Gap. stk. \$100,000. Thomson, gold. Shafts and open pits, 3,000 tons, tree, steam, 10 stamps. Hade Gold Mine Lancaster - Hade Gold Mine Co., New York, N. Y., 32 Burling-slip. Geo. H. Seyley, prest.: Alfred F. Cross, treas.: A. - Ry. Lancaster 121, 622. - Thies, mgr. and supt. - Hadle, gold. - Shaffs, 30,000 tons: free and refractory: steam; 60 stamps.

Spartanburg Ry. Greers 622 (8 miles from mines.

Wolfe & Tyger Mining Co. of South Carolina. L. W. Jordan, prest, and ingr., H. K. Sullivan, seey, and Ireas. Cap. 8tk. \$200,000. Gold. Shafts and placer, tree and retractory; steam and water; 10 stamps developing ( John T. Whitener, supt.

# IRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. COUNTY

Torre

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT

AND Void ville Rv. 121, 622.

York Namie Mount Acid & Mining Co. Major Jas. F. Hart, prest , A. E. Wemple, seey, and treas, J. G. Me-Nulty, mgr. and supt. Cap. stk. \$000,000. Tron. Slope, shaft and tunnel, 45,000 tons, steam.

### KAOLIN

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS CAPITAL STOCK NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Tows

Langley ... Ry, 696, 622

Town

Alken, T. G. Lamat Kaolin Co., R. H. Walker, prest., W. J. Ohver, seey, and mgr., W. W. Woolsey, treas. Cap. stk, \$50,000. Ohen int. \$,000 tons, horse.

### MICA

RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Pickens, J. E. Hagoo l., Cap. 8100,000. Polly Blackstone, mica and asbestos Ry Lasley 622

J. K. Kirksey, Mica

### PHOSPHATE

LOCATION OF MINE,		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
RAILWAYS, WATER ROUTES		NAME AND KIND OF MISS, ANNIAL OUTFOT IN TORS OF 2000 POURINS, KIND OF POWER USEL,
AND SHIFFING POINT.		MILLS, ETC., AND NAME OF MINE STREAMSTERMENT.
TOWN	COUNTY.	

Ashley Phosphate Ry, 690. Berkeley Wayne & Von Kohntz, Charleston, S. C., 147 E. Bay st. George F. von Kohntz, mgr. and supt. Cap. \$55,000. Palmetto. 15,000 tors, steam and hand.

Beaufort Ry, 280. Beaufort Farmers, Mining Co., Charleston, 8, C., 47 Broad 8t. Paul 8, Felder, prest., E. F. Witsell, seey.; C. C. Finckney fr., treas.; A. F. Felder jr., mgr., and supt. Cap. 8tk, \$70,000. Farmers, 40,000 tons, steam; mill, 20000 tons.

Charleston Charleston Ashley Phosphate Co. F. L. Frost, prest., J. P. De Saussine, seey, and treas., J. B. Davis, ingr. and supt. Cap. 34, 846,300. Ashley. Shart and dredge, 10000 fons; hand and steam; mill, 2000 fons.

"T. D. Datterer, 322 Meeting St. Cap. Sca.00. Detterer, 5200 fons, steam.

" Mead Phosphate Co., P. O. Box 125. Fhomas Royle, prest., T. W. Webb, seey., T. R. Webb, treas, and mgr. (ap. 84k, \$200,000. Rock. Open pits, 20,000 tons, steam; mills, 20,000 tons.)

Liena Berschiller, Ry. Bull River 31.
 Ry. Bull River 31.
 F. H. Arnstrong, Cres., George W. Roberts, mgr. and supt. (ap. sik. 820,000. Chisolius Island, rack. Open pit, 30,000 fons. steam, mill, 30,000 fons.
 C. O. Ten Mile Hill.
 Cuttlerer, mgr. Cap. sik. 820,000. Rock. Open pit, 30,000 fons. hand.

Magnolia Berkeley Magnolia Mining Co., Charleston, S. C., Broad St. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. T. Witsell, seey.; E. B. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons, hand. E. C. C. Pinckney, prest., E. T. Witsell, seey.; E. B. Cuthhert, ngr. Cap. stk. 85000. Rock. Open pit, 40000 tons.

Stone Berkeley Bolton Alming Co., Charleston, S. C., ; Broad street David Roberts, prest., Karby S. Tupper, seey., treas, By. Charleston Jn. 123 and mgr. Cap. stk, soo, oo. Bolton, rock. Cupen ptt, 30000 tons. steam and hand, mill, 30000 tons. S. C. Brown, supt.

Wm. L. Bradley, Boston, Mass. 27 Kulby st. Bulow, rock. Open p.t. 55,000 tons, hand and steam Geo. 8 Geer, supt.
 St. Andrews, Phosphate Manug & Milling Co., Charleston, 8. C. F. G. Latham, prest., E. C. Williams ir., seey, and treas. J. B. Gist, mgr. Cap. 8tk 820,000. St. Andrews, rock. Open pit, 25,000 tons, steam.

# STONE, MARBLE, GRANITE AND ONYX

OR QUARRY, RAILWAYS, WATER ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUALKY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN LOSS OF
AND SHIPPING POINT.	2,000 Pounds, Kind of Lower Used, Stone or Malille Mills, Limfellas and
TOWN AND COUNTY	Capacity, Ltc., and Name of Mine Suierintendent

Columbia — Richland Stewart Stone Co. George A Shelds, prest, A. R. Stewart, seev., treas, and mgr. Cap. 8tk, 8b,000, Ry. 602, 688, 600, 847. — Grande Slope and open p.t. 50,000 tons steam, ne f.

Newberry Newberry Leavell & Speers (local) Granife. Open p.t. hand Ry, 622, 600.

LOCUSTON OF MINE

Rockton Ry, 822. Eartheld Winnsboro Gramte Co., Charleston, S. C., 79 Broad St., James F. Roddang, prest., Leon C. Ferrall, Seey, and Ireas. A. W. St. Amand, mgr. and Supt. Cap. 8tk, 80,000. Winnsboro, gran by 15,000 tons, steam

SEE ALSO SUPPLEMENTARY LIST

# SOUTH DAKOTA

# FIRE CLAY

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

AND COUNTY.

Rapid City Ry. 274. Pennington Charles Marshall, Cap. \$45,000. Open pit, steam.

# GOLD AND SILVER

LOCATION RAILWAYS, WA AND SHIPPI	TER ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ONE, KIND OF MINE, ANNOAL OUTPET IN TOSS OF 2JUD FOUNDS, KIND OF FOWER USED, NAME MILLS, ETC., AND NAME OF MINE SUPERINTENDER.
Town ANI	COUNTY.	
BaldMtn.Mine P. O. and wood 208	Ry. Dead-	Bald Mountain Consolidated Milling Co. W. E. Herron, prest, and mgr.; O. U. Pryce, seey.; W. F. Smith, treas. Cap. 8fk, \$5,000,000. Annie, Josie, Katle, Boomer, gold. Shaft, 15,000 fons; refractory; steam; mill. Osear Walfer, supt.
Bear-Gulch Ry, Deadw		W. A. Rinehart and others.—Inter Ocean, gold and tim.—Shaft, open pit, free, refractory.
Carbonate . Ry . Deadw 274.	Lawrence cood 208, 88,	Iron Hall Mining Co. R. W. Cooper, prest,, mgr, and supt. John Baggaley, seey.; L. W. Valentine, treas. Cap. 8th, 82,500,00. Fraction, Blue Bird and 6 others. Shaft, tunnel; refractory, free; steam; mill, 20 stamps.
Central City Ry. 274	Lawrence	Deadwood-Terra Mining Co., James B. Haggin, treas.; T. J. Grier, mgr. Cap. 8tk. \$200,000. Deadwood- Terra, gold. Shatt, tunnel, 400,000 tons, free; steam, 260 stamps. Richard Blackstone, supt.
	44	Monitor Mining Co., Dendwood, S. Dak. Daniel MeLaughlin, prest.; W. L. MeLaughlin, seey, and treas.; George Cassels, mgr, and vapt. Cap. 8tk, \$250,000. Monitor, Blame, Reno and 7 others, gold. Tunnel, 1,000 tons; free; steam; 25 stamps.
**	4.0	Scotia Mining Co. George Cassells, prest., W. L. McLaughlin, seey, and treas.; John Cassels, ingr. and supt. Scotia, Flora Belle, gold. Tunnel, 500 tons; tree.
Custer Ry. 88	Custer	Brownlee & Booth, Sunrise, Young Bill, gold. Open pit, shaft; retractory, hand, James Brownlee, supt.
**		H. G. Butterfield. Bonanza, Sentinel, gold. Shart (developing).
	**	Grand Junetton Mining & Milling Co., 8t. Louis, Mo. Joslah Alkire, prest.: Fred Belmess, seey, and freas; dames Morrisey, mgr. Cap. 8tk, 81,000,000. Grand Junetion, gold. Shaft, tunnel, 24,000 tons; free, refractory; steam, 10 stamps, C. W. Robbins, supt.
		Wm. Nevice. Scotland, gold. Shaft, tunnel. A. Smith, supt.
	**	H. N. Ross, Old Bill, gold. Shaft, retractory, hand.
	* .	Thomas Irving Wheeler. Neptune, gold. Tunnel: retractory: hand.
Deadwood Ry, 88, 208,		Carthage Silver Mining Co. Robert Graham, prest.; A. J. Plowman, secy, and treas.; S. P. Roman, mgr. and Supt. Cap. stk. \$500,000. Boston, Carthage, gold and silver. Shalt, refractory, steam.
**	**	Florence Mining Co. J. W. McDonald, prest., A. R. Dawson, secy, and freas.; H. B. Young, gen. mgr. Cap. stk. \$250,000. Florence, gold. Tunnel, 9,000 tons, retractory. Richard W. Richards, supt.
	**	Hardin-Baker Gold Mining Co., Milwankee, Wis., 345 E. Water st. Isaac D. Adler, prest. Engene A. Friend, seey., Joins Cohen, treas. Cap. 8tk. \$600,000. Hardin-Baker, gold. Shaff, free; steam (developing). A. M. Hardin, supt.
		Jefferson Consolidated Silver Mining Co. C. W. Carpenter, prest., Win. Sellide, seey., treas. and mgr. Cap. 8tk. \$250,000. Hereules, May Queen, gold, silver. Shaft, tunnel: refractory.
		New Laplata Mining Co., C. W. Carpenter, prest.; E. Vaneise, seey.; Win. Selbie, treas. Cap. stk \$250,000. Laplata, Cashier, gold and silver. Shaft, tunnel, free, refractory.
	**	Portland Consolidated Mining Co., Clinton, Iowa. George M. Curtis, prest.; C. E. Webb, seey.; W. D. Thompson, treas.; W. D. Ford, mgr. and supt. Cap. stk. \$10,000,000. Fortland, gold and silver. Tunnel, retractory (developing).
	**	Ross-Hammbal Mining Co. (8, P. Romans, prest, angr. and supt., A. J. Plowman, seey, and treas. (Cap. stk. §2,500,000). Hammbal, Roanoke, gold, silver. Tunnel, 800 tons, refractory, steam.
**		Ruby-Wilks Mining Co. M. H. Lyon, prest. F. E. Ickes, seey, treas, and mgr. Cap. 8tk. 84,250,000, Ruby-Wilks gold. Open ent, tunnel, shatt, 4,500 fors, refractory, steam, chlorination process. Richard Richards, supt.
By. Portla	nd 88.	Shunbering Bonanza Mining Co. Abram Kelder, prest.; A. R. Z. Dawson, seey.; Frank E. Ickes, treas.; Abram Kelder, mgt. and supt. Cap. stk. \$250,000. Shunbering Bonanza. Shaft, open cut, refractory.
Galena Ry, White		Bailhon Mining Co., S. A. Flower, prest, treas, mgt, and supt., John Baggaly, seey. Cap. 8tk. \$1,250,000. Bay State, silver. Tunnel, shaft, retractory.
	.1	Coletta Group. C. B. Harris, mgr. Coletta, gold, silver. Tunnel, 3,000 tons, horse.
		Conzett & Bullock. Emma, silver and lead. Tunnel, shaft, 100 tons, retractory. James Conzett, supt.
**	**	Cora Mining Co. K. G. Phillips, prest., H. Fairbanks, seey.; C. G. Fargo, treas., W. Groshong, mgr. Cap. 8tk. \$2,500,000. Cora, gold, silver and lead. Tunnel, 1,000 tons. horse.
		W. V. Doyle and others. Union Hill, gold, silver. Shaft, tunnel, open cut, free, retractory, horse (developing). W. M. Fagan, supt.
	**	Gerken & Lynn. Cap. 850,000 – Ontario, Wanda. Tunnel, 400 tons, retractory, hand. John Gerken, supt

### GOLD AND SHIVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAME: OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OBE, KIND OF MINE, ANNAL OUTFUT IN TOXS OF 2,000 FOUNDS, KIND
Town An	D COUNTY.	OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
Galena (Couti		Henry Mayors. Captain Pratt, silver, lead. Tunnel, 365 tons, free.
	**	R. B. Hayes Mining Co., J. Denevon, prest, and mgr., S. Moll, seey. P. E. Sparks, treas. Cap. stk. \$250,000. R. B. Hayes, gold, silver, lead. 2,000 tons. horse.
	**	Washington Consolidated Gold & Silver Maning Co., John J. Schlawig, prest,, mgr. and supt., William Mellachlin, seey.; J. L. Follett, treas. Cap. stk. 8200000. Gold, silver. Tunnel, 1,000 tons, retractory, water.
Harney (P. O. Ett Hermos	ta Miner Ry.	Myron Willsne'x Co., Rapid City, S. Dak. (C. J. Wheelock, mgr., Wade, silver, copper. Horse, Myron Willsne, supt.
Hayward Ry, Hern Index (	Pennington nosa 274 (9	Hayward Group Silver Mining Co. C. J. Patton, prest., A. C. Walker, seey, and treas., John Monday, ingr. and Supt. Cap. 8tk, \$1,250,000. London, gold, silver, lend. Shaff, funnel, 500 tons, retractory, hand.
Hermosa Rv. 274.	Custer	J. R. Bobier, North Star, gold, silver, lead, Shatt, hand,
	.,	Spokane Minnig Co, J. N. Wright, prest, and mgt., M. R. Mayson, seey, and freas, Cap. 880,000, Spokang, alver, lead. Shatt, 80 (ons., band., J. N. Wright, supt.
Hill City Ry, 88.	Pennington	Methilloch & Stevens. Swan Lode, gold. Slope, free, water: G. W. Methilloch, supt.
Keystone (P. O. En Hermos	ta Mine) Ry.	Reed, Franklin & Elair, Keystone Lode, gold, silver, Timne', shatt, tree, retractory, hand. A J. Simmons, supt.
Lead Ry, 64, 208		Bag Missouri Mining Co., Chicago, Ill., 14 Fribune, Bldg., Alvan F. Tyler, prest.; Jabez B., Stubles, seey., M. J. Luffler, freas., M. A., Delano, ingl., Cap. 8th., 8 Society. Big Missouri. Shaft, 75000 tons, Ricci, Steam, Sostamps, James H. Honey, supt.
4.1		Collins & O'Leary - Lackawanna, gold, saver. Shatt, open cut, 2000 (ons) retractory, steam, James A - Collins, supl
	**	Custer & Mand Mining Co. Chicago, Pl., Room 14 Tribune Bidg - M. J. Luther, prest., M. A. Delano, seey, and trens - Cap. stk. 850,000 developings
**	41	Florence Gold & Silver Mining Co., Deadwood, S. Dak., Charles Waste, prest., A. J. Maffetnet, seey., R. F. Ankeny, Treas., F. L. Gibbs, ngr. and supt. Florence Group. Shaft, tunnel, tetractory, steam
••	*4	Hawk Eye Gold Mining Co., Des Momes, Iowa, 87 Walker 81. Geo Banschbach, prest. M. J. Hunter, seev. Wm. R. Ankeney, treas., David Honter, mgr. and sopt. Cap, 8th 82,5000,000. 8t. James, Willie and 6 others. Shaft and Immel. Tree, 8te m., by stamps.
		Lead Placer Mining Co. [J. M. Dickson, presh, J. B. Buker, seeve, treas, and supt. Win. Latimer, treas, Placer of eveloping
	••	Welcome Mining Co., Charles Waite, prest, and mgr., A. J. Malternet, seey, and freas — Welcome, gold, silver. Shaft, finned, retractory, steam, chlorination process — N. Schener, supt.
Perry Ry. 64	Lawrence	Convention Gold Mining Co., Deadwood, S. Dak, J. T. Harrington, prest., James. Frawly, seey., Henty Frawly, freas., Damel Miles, fig., and sapt. Convention. Shatt, tunnel, free hand
		The state of the s

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9 Wilson M. Merritt. Advance, Single Lax, gold, silver and copper. Shait, finnel, free, tetractory, band

Rochtord Ry. SS.

Pennington Minnesota Consolidated Maning Co., Davenport, Ia., V. Kanball, prest., F. H. Griggs, seev, and treas., C. H. Lins, mgr. and supt. Cap. stk. \$30,000. Minnesota and others. Free, water obveloping: Buckingham & Miller - Cap, 810,000 - Lucky Friend, gold, silver. - Shaft, 200 tons, retractory, hand - John

Spokane Custer Ry. Hermosa 274: 10 m. ).

L. Buckingham, supt. Maxon & Patton c.ap. stoneo. Banker, silver, gold Shatt, fectors hand. N. Veates, supl.

W. L. Pike and others - Che Layne, Lines, silver - Shaft, electricity, W. L. Pike, supt. Spokane Mining Co. M. R. Maxon, seev. and freas. Cap. 8(2),007. Spokane, silver, gold, load. Statt, 300 tons, retractory, horse. T. M. Wall, supt.

# GYPSUM

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE. NAMES OF OFFICERS UNLIST STOCK NAME AND KIND OF MINE, ANNI AL OUTPUT IN TONS OF 2 NO FOLKING KIND OF LOWER USED.
MILLS, LIC., AND NAME OF MINE SUPERINTENDENT

Town (NO COUNTY

Pennington Midland Mining & Developing Co., John J. Rochford, prest and ingr. Edward M. Reeves, seev. William W. Hinton, freas. Cap. 8tk, 85,000,000. Open pit, hull. developing Samuel 8 oft, supt. Rapid City Ry, 274.

Meade Black Hills Plaster Co. Henry A Carpenter, prest., G. W. Cromwell, seey and Iteas. Cap. 8th, 820,000 Open pdf, 3,600 fors, steam. Sturgis Rv. 274

# MICA

LOCATION OF MINE, RAILWAYS, WATER ROTTES AND SHIPPING POINT,	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, RIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TOOS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINFREDENT.
TOWN AND COUNTY.	
Custer Custer Ry, 88.	Galesburg Mica Mining Co., Galesburg, Hl., 321 E. Main St. A. P. Charles, prest.; C. A. White, seey, and treas.; R. H. Pheher, mgr., and supt. Cap. 848, 8130/00. Evelyn. Shaft, tunnel; hand (developing). Wm. C. Wash, Chiego, P. H., 54 and 56 Sherman St. Chimay. Shaft, tunnel; horse,
Pringle Custer (P. O. Hot Spgs. (Ry.88.	
	L. L. Davis, Cap. \$1,000. Newton, gold, mica and tin. Open cut; hand (developing).
	CONE, MARBLE, GRANITE AND ONYX
	COLUMN THE THE PARTY OF THE PAR
LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TORSOF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMEKILNS AND CAPACITY, ETC., AND NAME OF MINE SUFFERINTENDENT.
TOWN AND COUNTY.	
Deadwood Lawrence Ry. 88, 274, 208.	Ball White Sandstone Co. Edward Ball, propr. Cap. \$25,000. Sandstone. Open pit, 1,500 tons; hand.
Dell Rapids — Minnehaha Ry. 141.	Deff Rapids Granute Co., Ritchie Sampson, prest., W. S. Mitchell, seey, and treas.; John McDonald, vprest. Cap. stk. 850,000. Jasper. Open pit.
E. Sioux Falls Minnehaha Ry, 319.	
Rowena "Minnehaha Ry. 319.	Minnehaha Granite Co., Chicago, Ill., 84 La Salle 84. L. A. Marshall, prest.; Fred Stafford, seey.; W. B. Hofton, treas. Cap. 84k, \$50,000. Quartzlife, grainte. Open pit, slope, 45,000 fons; steam. Thomas Vernon, sipt.
	TO IN THE STATE OF
	TIN
Location of Mine, Railways, Water Routes and Shipping Point.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2000 POUNDS, KIND OF POWER USER, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.
TOWN AND LOURTY	
Beat Gulch Lawrence Ry, Deadwood 88, 274.	Jamssey & St. John. George and 5 others. Shaft; horse, hand (developing),
	C. Miller. Boston, Commercial Grace, Dakota. Tunnel, shaft (developing).
	Nigger Hill Tin Mining Co. Charles J. Finch, prest, augr. and supt.: Henry Schuntz, seey, and treas. Cap. stk. \$1,250,000. Nigger Hill. Shatt, hand.
Custer Ry, 88.	Dolphin Mining & Milling Co. Col. John Domphan, prest., O. D. Moore, seey. Capital stk. \$4,000,000. Dolphin, Tempest. Shaft, tunnel, 1,000 tons, free; horse, hand. W. P. Moore, supt.
	Thomas J. Wheeler. Haven. Shaft; hand.
Etta Mine Pennington Ry, Hermosa 274.	
**	Rapid City Land & Improvement Co., Rapid City, S. Dak. E. B. Ryungton, prest.; R. J. Hill, seey.; H. S. Hall, freas., Samuel Scott, Ingr. Cap. 8th, 85,000,000. Etta, Margaret. Shaft, open cut, 30,000 tons; hand. Lewis Everly, supt.
Glendale Pennington (P=0, Etta Mine) Ry. Hermosa 274	Glendale Tin Co., Clacago, Ill., 4 Portland Block. Fred. W. Gardner, prest., Geo, W. Cope, seey, and treas; J. K. Flames, ngr., Cap., St., Szjóryano, Glendale. Shatt, funnel, water, steam, concentrating milt developing. B. M. Mutchell, supt.
Harney City - Pennington (P. O. Etta Mine) Ry. Hermosa 274.	
	Wheelock & Everly. Olive. Shatt, tunnel, horse. C. J. Wheelock, supt.
Hill City Pennington Ry. 88	Harney Peak Tin Mining & Milling Co., New York City, 44 and 46 Wall st. Samuel Unfermyer, prest.; Charles D. Deshler, seey., Lewis May, freas. Cap. stk \$15,000,000. Shaft; steam. J. S. Childs, supt.
	Frank Hebert. Tin Queen. Shatt, open jut (developing).
	James Jacoby & Co. Rose, Big Mountain, Im, lead, copper (developing).
	Joseph McClure, Western Bell and 3 others.
	Rapal City Land & Improvement Co., Rapal City, S. Dak, E. B. Ryngton, prest., R. J. Hill, seey.; H. S. Hall, trens., Samuel Scott, mgr. Cap. 8tk, \$6,000,00. First Find. Open cut, hand. Samuel Scotts sppl.
	C. Von Wochrmann & Bartley Bros Dogtown Group and 9 others Shatt, tunnel; hand (developing)
Spokane Custer Ry, Hermosa 274 (10 naties),	L. Senrlock & Co., Copalis, Wash. Cap. \$1,500. Open pit, 50 tons: hand.
	Charles J. Finch. May Queen and 4 others—Shatt, open cut, 400 tons, hand.
	Fineli & Gaston. Buckeye. Shatt, tunnel, 1,200 tons, hand. Charles J. Fineli, supt.

# TENNESSEE

### COAL-RITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 FOUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVERS, AND NAME OF MINE SUPERINTENDENT.

TOWN AND COUNTY. COAL BREAKING, W

Bon Art Coal Mine White Ron Art Coal & Coke Co. J. M. Overton, prest, treas and mgr., J. L. Dilrell, seey. Cap. 8tk, 850,000. Bon Ry, 482.

Var. Tunnel, 100,000 fons, steam | Wm. Harvæ, supt.

Caryville . Campbell J. C. Collins, Ball st. Cap. 8500. Citizen's. Tunnel, 400 tons, hand. Ry, 240.

Carl Creek Anderson Black Diamond Coal Co., Knoxynlle, Tenn T. H. Heald, prest J. F. Wiley, seey, and freas, J. M. Andrews, mgr. and supt. Cap. 8tk 8150.00 Black Diamond, Empire and Shamrock. Slope, 252.000 Ions, Stein.

<sup>9</sup> Coal Creek Coal Co., Knoxydle, Tenu., 64 W. Church St., F. U. Camp, prest. D. B. Beam, seey. and Areas, Cap. 84k, \$20,000. Fraterydle, ThisDe. Funnel, 20,000 tons, steam and horse. A. H. Bowling, supt.

Crossville Cumberland Phillipsburg Land Co. docal) Noble Phillips, prest, and mgr., R. W. Shannon, seey., John J. White, Ry, Rockwood 636. (1928), Cap 8tk, 850,000. Albany, Open, hand.

Evensyille Rhea J. T. Darwin. Cap. 87,500 Darwin. 8 (pc. and tennel, 40,000 tons, water Ry, 612.

Finzen Head Morgan East Tennessee Manag Co., Harriman, Ienn 3 D. Roberts, prest 3 Machell, seey., Fred Gates, freas., (P. O. Conffield) Ry. — Gine E. Bryant, nog. (1983 & s.100000 - Frozen Head Finnel and darft compressed air and electronic properties 785 — (1984), washer, 200 coke overs, 120000 fors seed (1984). U. F. Bryant, super-

Harriman Roane East Jennessee Mining Co. J. D. Roberts, prest. Jos. Michell, sees. Fred Gates, treas. L. F. Bayant, Ryole.

Ingramal Ingrama Ingrama Superior Fred Transcrand data, governors, steam, 6 color overs, 5,500 forms. Pulmore and Pulmore and Northead Pulmore and Pulmore and

Hartrantt Claiborne Reliance Coal & Coke Co. 1. A. Sanner, prest. Philip Swab, seey and treas. Cap. 8tk 815,000. Reliance, RV. Meldlesboro, Ky., 20,000 tons, horse. John Cont. 8upl. 574, 08.

Knoxylle. Knox. Black Diamond Coal Co. 1. H. Heald, prest. 3. F. Wiley, seey. W. F. Searle, treas. 3. M. Andrews,

Anoxydle Knox Black Diamond Coal Co. I. H. Heald, rest. J. F. Wiley, seey. W. F. Searle, treas. J. M. Andrews, Ry 296, 572, 574, 129 — high and supl. Cap. sik s150,000. Peak Diamond. Sope, 300,000 tens. steam.

Needmore Marion B F Patton, Cap 810,000, Needmore Transl. forcortens hand (FO South Pattsburg 13), 468

Newcomb Campbell Standard Coal & Coke Co., J. J., Breese, prest. [Russell A Clapp, seev., Gras, and mgf. Cap sfk. 8500,000, Ry, 240.] Funnels, 85,000 tons. [horse., J. C. Brooks, 8 ept.]

Rockwood Rome Phillipsburg Fand Co. Socil, Crossyffe, Tenn. Noble Phillips, prest, and mat. R. W. Shannon, seev., John J. White, treas. Cap. sik. 8540,000. Rockwood. Open. Unfol.

Sale Creek Hamilton Sale Creek Coal & Coke Co., Chattanooga, Lenn., cor. Ninth, and Macket sis. Sol. Simpson, prest., Win. Griffiths, Seey., A. Simpson, treas. D. R. Griffiths, ingr. Cap. Sik Salom. Sale Creek, Tunnel, arouse from, horse, washer, decoke overs. W. R. Floyd, Sil.

Soddy Hamilton Ry, Rathburn 642 (Fox 8) and mat Cap sik 880,000, Soday Tunnel, (boxe tors, horse and steam (washer, 120 coke overs, V Hoys, supt.

South Pittsburg - Marion (Rouston, McDaniel & Co., Cap. 82,000) Old Earth Creek - Dunnel, hand - P. J. Lafler, supt. Rv 483-756

" R.M. Payne, Cap 85000, Battle Creek, Trune, and distr. 5000 tens. Land. James Turner, 85pt.
 Tracy City
 Ry 482.
 Grundy Termessee God, Ron & Barlroad Co., Nashvalle, Tenn. [T.C. Platt, prest]. Jas. Howton, 86cc, and treas. A.M. Shook, third y prest, and may "5 drafts, 207755 tons Steam and horse washer 5500000000000.

Whitwell Marion Tennessee Coal, Iron & Radrond Co., Nashy lle, Tenn. 4. C. Platt. mest. das. Roevion. seev. and Ry, 482 treas., V. M. Shook, third vapiest, and mar. 2 drifts, 214.44 tens. house. 120 coke ovens, 45.788 luns.

Chubothe Bryson Mt Coul & Coke Co., Cumberland av. A Cockell, prest and trens. L. Cockell, seev and mgr. Cap. (P.O. and Rv. Middles. St. 85080). Bryson Monutain. Tunnel, 20000 tors. sleam and horse. A W. Cockell, supt. boro. Ky. 571, 500.

Fork Ridge Coultto. O. W. Davis pt., prest and treas. John Sanderson, seev. Cap. stk. spotono. Fork Ridge. Junnel, 60,000 tons, steam. J. A. Jardine, supt.

Mango Mt Conf & Coke Co. John Rafston, prest, O. W. Davis ir A. prest, and sees, C. M. Woodburty, Treas, Cap 84k, 8120000, "Mango Nos, Land", "Transch 152000 fons, steam, washer, "to coke overs, "Transchors, R. L. Rafston, supp.".

### COPPER

LOCATION OF MINE, RAILWAYS, WATER KOLLES AND SHIPPING POINT

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OPPICE, NAMES OF OPERALS, CAPITAL STOCK, NAME OF MINE, KING OF OLD, RINGOT MINE, ANNIA OF THE LINE FOR SOFT OF MINE, LOCATION OF THE ASSET OF THE A

Ducktown Ry, 420 Polk Pittsburg & Lennessee Copper Co., Pittsburg, Pa., 522 Pennay. Hugh Pergason, prest. Duncan Lergi Son, seey S. J. Wamright ir , treas., Carl Henrich, mgt and sapt. Old Lennessee, copper. Shalts steam

### FIRE CLAY

LOCATION OF	
OR BANK RAILWAYS, WATER AND SHIPPING	ROUTES

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

Town AND COUNTY.

Cleveland Bradley Cleveland Fire Brick Co. J. H. Sanborn, prest, and treas.; J. C. Noel, seey, and mgr. Cap. 84k, \$50,000. Open pd, 6,000 tons; steam. Ry. 240.

### GOLD AND SHAVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE. KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND COUNTY.

LUCATION OF MINE

Knov East Tennessee & North Carolina Mining Co., 64 Gay st. Samuel Johnson, prest; Charles S. Ashton, seey., Win M. Johnson, treas., Levi Levengood, mgr. Cap. stk. St7,000. Trofter and fundian, gold, where the start and term indeveloping). (Mine in Sevier county). Knoxville. Ry, 240, 372, 371, 420.

### HRON

RAILWAYS, WATER ROUTES NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF URE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND AND SHIPPING POINT. OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT. AND COUNTY Evensyille Rhea W. C. Gosset, Cap. \$500. Payne, red fossil. Open pit, 5,000 tons; hand; tarnace, Ry. 612. Hickman Southern Iron Co., Nashville, Tenn., Union st. Percy Warner, mgr. Cap. stk. \$3,000,000. tons, steam, furnace. H. E. Williams, supt. Goodrich Union st. A. M. Shook, prest.; W. E. McNeilly, secy, and treas... \$3,000,000. Johnson and McNeilly, black hematite. Open pit, 250 Ry 482. Roane East Tennessee Mining Co. J. D. Roberts, prest., Joseph Michell, seey., Fred Gates, treas., Bryant, mgr. and supt. Cap. stk. \$3,000,000. Waldeen Ridge, hematite. Druft, 12,000 tons; hand. Harriman Ry, 240, 612, 746. Marion Tennesser Coal, Iron & Bailroad Co., Nashville Tenn. T. C. Platt, prest.; dames Bowron, seey, and treas., A. M. Shook, third v. prest, and mgr. Red fossiliterous. 3 slopes, 17,100 tons; steam. J. Hawkins, luman Ry. 482. sunt. Louise "Montgomery Graccy-Woodward Iron Co., Clarksydle, Tenn. W. H. Woodward, prest.; H. G. Woodward, seey., treas-ing, and spil, Cap. 8th 858,000. Louise, brown hematite. Tunnel, open pil, 100,000 tons, steam an hand, turnace, 45,000 tons. Ry. 408 Tunnel, open pit, 100,000 tons, steam and Wayne The Southern Iron Co., Nashville, Tenn. A. M. Shook, prest. J. A. Cooper, seey, and treas. P. Warner, incr. Cap. stk. \$3,000,000. Mannle, brown hematic. Open pit, 60,000 tons, steam; farnace. John W. Detor, supt. Mannie Ry. 482 Napier Lewis Napier Iron Co. ore from Co. E. C. Lewis, prest, and mgr., E. L. Ware, seey, and treas. Cap. stk. \$300,000. Napier, brown hematite. Open jot, steam, Jurnace, 48,000 fons.

Ry. 408. Newburg Ry, Napier 408. Lewis Napuer from Works Co., Nashville, Tenn. E. C. Lewis, prest, and mgr., J. H. Eakin, seey, and treas Cap. stk. \$3,000,000. Open pits; steam, hand; furnace. Pinkney . Alawrence Smith & Sharpe Mining Co., Dayton, Ohio. W. W. Smith, prest.; Thomas Sharpe, seey, and treas.; John Fagan, mgr. and supt. Cap. stk. 825,000. Pinkney, red and brown hematite. Open pit, 22,500 fons,

Fagan, mgr, and supt. Cap steam, furnace, 13,500 tons. Welker Mines

Roane East Tennessee Mining Co., Harriman, Tenn. J. D. R Serts, prest.; Jos. Machell, seey., Fred Gates, 16.
Freas. L. E. Bryant, mgr. and supt. Cap. 8tk. 81,000,000. Welker, hematite. Open pit, 28,000 tons, hand and horse. Ry. Kingston 746.

# LEAD AND ZINC

LOCATION OF MINL. NAME OF COMPANY OR INDIMIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICELS, CAPITAL STOCK, BAILWAYS, WATER ROUTES NAME OF MINE, KIND OF OUR, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND AND SHIPPING POINT OF POWER USED, SMELTERS, LTC., AND NAME OF MINE SUPPRINTENDENT.

Bradley Blue Springs Mining Co., Chattanooga, Team., 232 Richardson Block. S. W. Drvine, prest., W. H. Bogle, mas Sta-seev, and Breas. Cap. 8th, \$50,000. Blue Springs, lead and zline. Shaft, tunnel, 400 tons, steam, fur-nice. Faul Gass, supt. Blue Springs Bradley (P.O. Blue Springs Sta-- tron ( Rv. 240.

Jefferson White Pine Zinc Co., Louisville, Ky., 33 Kenyon Bldg. Win, L. Breyfogle, prest.; B. Whitney Herr, seey, and treas., Jas. K. Zollfiger, mgr., Cap. 8tk, 850000, Sulphurets and carbonate of zinc. Open pils and shaft, steam and hand. Frank H. Breyfogle, supt. Mossy Creek Ry, 240

Jefferson White Pine Zine Co., Louisville, Ky., 33 Kenyon Bldg., Wm. L. Breytogle, prest., B. Whitney Herr, seey, and treas., Jas. K. Zolfinger, nigr., Cap., 84k 830,000. Sulphurets and carbonate of zine. Shaff and open pits, steam and hand. Frank H. Breytogle, supt. White Pine Rv 240.

# SLATE

LOCATION OF QUARKY. RAILWAYS, WATER ROUTES AND SHIPPING POINT. Town 4.200 COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS. KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.

Bluft City Ry. 24. Sullivan The James Slate & Mining Co., W. W. James, prest.; John R. Cumungham, secy., D. S. Hearon, treas, Cap. 8tk, 800000. Slate and marble. Steam (developing).

### STONE, MARBLE, GRANITE AND ONYX

RAILWA	ATION OF OR QUARI YS, WATE SHIPPING	RY, R ROUTES
Town	AND	COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT

Andersonville Anderson Tenne Ry. Clinton 240

messee Onyx Co., Z. T. Allan, prest., A. H. Jacobs, v.-prest, and secy., 8, H. Stevens, treas., M. A. Wilhams, mgr., Tennessee, onyx., Open pit ofeveloping.

Arthur Ry. 371. Caswells

Claiborne Hoffman & Malone, Middlesboro, Ky. R. F. Hoffman, prest, and seey., Thomas Malone, treas, and mgi Cap, \$2,000. Arthur, Innestone. 12,000 tops, horse and steam. Arthur, Innestone.

Ry. 240.

Knox Tennessee Producers' Marble Co., Knoxydle, Tenn., 31 Deadetick, Block. W. H. Evans, prest.; J. J. Craig, v.sprest., John J. Craig Ji., treas, and mgt. Cap. 8tk, 8500,000. Caswell, marble. Open pil. 3000 tons; steam, horse and hand. Chattanooga ...Hamilton John Troutt, 803 Pine 8t. Cap. 8t5,000. Stone Fort, linestone. Open pit, 50,000 tons; steam. P. J. Ry 470, 426, 427, 280, ... Whitman, supt.

Ry 170, 240, 801, Cloyd's Creek

Concord Ry. 240.

d's Creek : Blount Tennessee Producers' Marble Co., Knovyrlle, Tenn., 31 Denderæk Block : W. H. Evans, prest., J. J. Craig, V. Metlee 420. | V. Jrest. John J. Craig jr., Freis, and nigr. Cap. 84k, 890,000 : Cloyd's Creek, marble. Open pit, 3,000 tors, horses, steam and hand Knox Concord Quarry Co., Knoxyiffe, Tenn. J. E. Hart, prest., T. W. Keller, seey, and freas. Cap. stk. \$20,000.

Fennessee Producers' Marble Co., Knoxyille, Tenn., 31 Deaderick Block. W. H. Evans, prest., J. J. Craig, A. prest., John J. Craig, H., treas, and mgr. Cap. 8tk, 890000. Concord, marble. Open pff, 3400 tros., Steam, horse and hand.

Ebenezet Ry. 240.

Friendsville

133

Oolfewah

Kney Temessee Producers' Marble Co., Knoyyille, Tenn, al Deaderick Block - W. H. Hyans, prest., J. J. Craig, v.-prest., John J. Craig B., freas, and mgr., Cap. 8tk 830,000. Ebenezer, marble. Open pit Joycotons, steman, horse and hand. Blount Tennessee Producers' Matble Co., knovydle, Tenn. at Deaderick Block. W. H. Fyans prest; J.J., Craig, v. prest; John J. Craig, it, treas and mgr. Cap. 8tk, 880,000. Friendsville, marble. Open pit, agon fore, stein, horse and name.

Ry 420. Graysville

Hamilton John Troutt, Chattanooga, Tenn., 893 P.; y, Chatta: 5,000 tons, steam P.J. Whaman, supt Tenni, sot Pine st., Cap. \$15,000. Graysville, brown sandstone. Open pil

P. O. and Ry. Chatta-nooga 126, 127, 170, 240, 280, 801. Knoxyille Knox 210, 371, 372, 420,

W. H. Lyans & Son, Baltimore, Md. (exp. stk. 850,000). Marble: Open pits, 75,000 tons, steam mill 3/4 Withind, supt

Gray Knox Marble Co. Marble 8,000 Ions Phornix Marble Co. R. R. Swepson, prest., John P. Bench, seey, freas and mgr. Cap. 8tk, 890,000, Bench, marble. Open pit, 1,500 fons, steam, horse and hand, mills. Jas. E. Lyle, supt.

J. Edward Ross Cap \$20,000. Ed. Ross, penk and gray marble. Open pit, 2,000 fors, steam. Tom But-

Fennessee Producers, Marble Co., W. H. Ixans, prest., J. J. Craeg, v. prest., John J. Craeg jr., treas, and high. Cap. stk. 850,000. Knoxville, matble. Open pd., 5000 tons., steam, horse and hand.

Ry, 240 Philadelphia Ry. 240.

James Thatcher Lime & Stone Works, W. O. Thatcher ji , mgr. Laurestone, Open jot, 8,000 tons, hand, kdn, 3,000 fours London Rosebud Warble Co., Knovyffe, Tenn. J. J. Hart, prest., J. W. Keller, seey, and treas. 8, C. Butgess, ngr. Cap. 8tk 815,000. Rosebud, marble. Steam.

Powder Springs (Grainger P. O. Ambros Ry, 371

Columbia Martide Co., Columbus, Ohao, 9 S. High St., Dr. L. W. Sherwood, prest., Hon. Phillip H. Bruck, Seety, R. R. Backley, treas., Col. D. D. Nicholas, Ingr., Cap. 8th, 8topson, Columbian, martide, Open ph. Joseph Columbian, John Cartver, 800.

Rogersville Rv. 240.

Hawkins James Cooper, Cap. 825,000 - Gem. marble. Slope and open pt. 75,000 tons, horse and hand. John Carver, supt

J. L. Leroy, Cave Ridge, marble. Hand-

Marble

D.C. McKay, cap 850,000. McKay, marble. Open pa, 1,000 tons, steam, mill. John Carvet, supt.

Sewance Ry. 482. Franklin D. E. Dennedy, Nashville, Tenn., cor. Mufferry and Vinests - Sewance, sandstone, Mrfl.

#### SEE ALSO SUPPLEMENTARY LIST

LOCATION OF MINE.

RAILWAYS, WATER ROUTES

LOCATION OF MINE,

RAILWAYS, WATER ROUTE:

# TEXAS

# COAL-BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIFFING POINT. TOWN AND COUNTY.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OWENS, AND NAME OF MINE SUFFRINTENDENT.
Decatur . Wise Ry, 776.	Wise County Coal Co. H. H. Halsell, prest, and mgr.; Will Rush, seey, and treas. Wise. Shaft (developing).
Lytle Atascosa Ry. 326.	Cari, Coal, Co., San Antonio, Tex., cor. Medma and Monterey sts., J. S. Carr, mgr. Lytle. Slope, 7,000 tons, steam. Doming Baneya, supt.
Muiera Webb Ry, Laredo 326, 436.	Santo Tomas Coal Co., Laredo, Tex. A. C. Hunt, prest.; Dr. A. W. Wilcox, seey, and treas. Cap. 8tk. \$75,000. Santo Tomas. Slope, 14,400 tons, horse. D. D. Davis, supt.
Rock Creek . Parker Ry, 793.	Texas Coal & Fuel Co., Weatherford, Tex. L. M. Fonts, prest, and mgr.; E. R. Standish, seey, and treas, Cap. stk. \$250,000.   Rock Creek.   Shatt, 15,000 tons; steam. J. O. Fonts, supt.
Rockdale Milam Ry, 326, 648.	Rockdale Mining & Manufacturing Co., P. O. Box 25. L. Isaaes, prest.; W. B. Woody, seey, and mgr.; J. L. Lockett, treas. Cap. stk. \$60,000. Shaft, open pit. steam (developing). J. A. Touchstone, supt.
Sierra Blanca . El Paso Ry, 756, 692.	R. C. Crawford. Fannie M. Shaft.
Strawn . Palo Pinto Ry, 756.	Adair Coal Muing Co., Fort Worth, Tex. J. B. Adair, prest, and mgr.; R. B. Adair, seey, and treas, Cap. 8tk, \$250,000. Shaft: steam (developing).

# COPPER

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock,

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

AND SHIPPING POINT.		POINT.	of Power Used, Furnacis, Erg., and Name of Mine Superintendent.	
Tows	AND	COUNTY		
Henrie Ry.	tta 776.	. Clay	Lone Star Copper Co. W. A. Dennis, prest. John McNeish, seey.; James M. Steere, treas., Henry J. Brennon, mgr. Cap. stk. \$35,000. Carbonate, oxide. Tunnel and shaft. S. E. Ford, supt.	

# GOLD AND SILVER

RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY	NAME OF COMPANY OR INDIVIDUAL DOCATION OF FIRST AND OFFICE IN TORS OF 2,000 FOCKOS, KIND OF THE KIND OF FIRST AND A DEATH OF MINE SUPERINTENDENT.
Camp Schryver El Paso P. O. and Ry. Alla- moore 756.	Hazel Mining Co., San Antonio, Tex. Hazel, silver and copper. Shaft, 4,500 tons, refractory, Steam, H. J. Clifford, ngr., and supt.
Cho Brown Ry, Brownwood 26, 268.	W. F. Elliott, Elliott, gold, silver. Shaft, free.
Sierra Blanca El Paso Ry, 756, 602	R. C. Crawford. Caledonia, gold and Silver. Tunnel: retractory.

# HRON

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT		Name of Company of Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Ore, Kind of Mine, annual Ottpet in Tons of 2001 Potxds, Kind of Power Perd, Blank Funnach, Etc., and Name of Mine Eugerintendent.	
Town and	COUNTY.		
Jefferson By, 756, 459	Marion	Lone Star Iron Co. John H. Kruse, prest, and mgr., Edward Affield, seey., Thomas T. Nelson, treas- cap, stk. st.oa.gon. Brown hematite, tossdiferous, carbonate. Open pit, 36,000 tons, hand; turnace, capacity 15,000 tons. Thomas Traverse, supt	
Dano By, Burnet 37.		Wakeheld Iran & Coal Land Improvement Co., Milwankee, Wis., 53 Second st. Coylon F. Lyman, prest., vention T. Wakeheld, venty, Trouge M. Wakeheld, treas., James A. Wood, mgr, and supt. Cap. 8tk, 8,000,000 Bader, magnetic, psycophosphite, managinese. Slant: steam (developing).	
Queen City Ry, 750	0.088	Queen City Iron Co., John I. Halley, prest, J. B. H. Janeway, seey, and mgr.; J. J. Robertson, treas, Cap. 8tk 8400,000   Red and brown bematite. Open pt., turinee, 25,000 tons.	

### SALT

LOCATION OF MINE OR WELL, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

TOWN AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERNCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE.

NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2,000

POUNDS, KIND OF FOWER USED, ETC., AND NAME OF MINE SUFERINTEMBERS.

Colorado . . Ry. 756. . Mitchell Lone Star Salt Co., Ballas, Tex. Byron Parsons, prest.: Fredk, R. Blount, seey, and treas. Cap. stk. \$200,000. Lone Star, Crescent, common, line, table, solar. Well, 250,000 brls., steam; evaporation, John Miller and A. Whilerspin. supts.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PHINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, RIND OF SYDEK, RIND OF MINE OR QUARRY, ANNALA OUTHET IN TONS OF 2,900 POUNDS, KIND OF FOWER USED, STONE OR MARBLE MILLS, LIMERILES AND CAPACITY, ETC., AND NAME OF MINE SUPERISHIEDED.

TOWN AND COUNTY

Fredricksburg Gillespie Frank Teich, San Antonio, Tex., cor. Arkansas and Mill 848. Cap. 830,000. Bear Mountain, grante. Open By, 35.

Gordon Palo Pinto W. W. Gibbs Sandstone. Open pit, 19,500 tons., horse, hand Ry, 756.

Gramte Mountain, Burnet Frank Teich, San Antonio, Tex., cot. Arkansas and Millests (ap. 80,000) Moor, grantle Open pit, Ry, 37. 20,000 tons, horse,

Texas Capitol Grande Co., W. H. Westfall, prest., N. L. Norton, seey, and freas., George W. Lacey, mgt. Cap. stk. Stroogrot. Grande Mountain, grande. Open pd., steam, horse, hand—polishing mill.

Santa Anna — Coleman Golden Stone Co. Cap. 8tk 810,000 Colden Stone, lamestone Scope, hand, mill, kiln, 30,000 bris. By, 96. — Golden Stone, lamestone Scope, hand, mill, kiln, 30,000 bris.

Santo "Palo Pinto J. W. Morris. Cap. \$2,000. Morris, sandstone. Open pit, 2,000 tons, hand, mill. Ry, 756.

Wentherford Parker W. J. Franklin, Cohen, limestone. Open pit, horse, hand Ry, 26, 756, 756.

6 J. H. Harberger Cap. 85,000, J. H. Harberger's, lamestone, 8 opt., 505,000 tons, hand, kiln, 50,000 tons.

W. A. Hutson, Rock Creek, Sandstone, Open pit, 6,000 tons

SEE ALSO SUPPLEMENTARY LIST

TOWN

Pariette.

# UTAH

### ASPHALTUM

	OCATION OF MINE.	
1iai	WAYS, WATER ROUTS	. >
A	D SHIPPING POINT.	

COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, Name and Kind of Mine, annual output in Tons of 2,000 Pounds, Kind of Power Used. MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Clear Creek Utah (P. O. Tucker) Ry. 215.

Utah Wasatch Asphaltum Co., Saft Lake City, Utah, 71 Culmer, Block. G. F. Culmer, prest; H. L. A. Culmer, y. 215. sery, and treax. Wasatch, rock asphaltum. Funnels, 5,000 fons: steam, horse and hand; mill, 9,000 fons. St. V. Le Sleur, supl.

Duchesne – Uintah. (P. O. Fort Duchesne) - Ry. Price 215.

LOCATION OF MINE,

Fintah. Gilson Asphaltum Co., St. Louis, Mo., Odd Fellows' Bldg. C. O. Baxter, prest.; H. E. Naffz, seey, and treas.; E. Seaboldt, mgr. Asphaltum. Shaft, 1,500 tons; horse. Thomas Taylor, supt. (Not a P. O.) Ry. Price 215.

Wasatch Salt Lake Gilsonite Co., Salt Lake City, Utah. 71 Culmer Block, Geo. F. Culmer, prest.; H. L. A. Culmer, sty, Price see, and treas. Cap. 83, 81,20000. Salt Lake Gilsonite Co. 8 Group. Shatt, tunnel, slope and open pit, 2,300 tons; horse and hand. St. V. Le Sieur, supt.

# COAL-BITUMINOUS

RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LIGATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BEGARERS, WASHERS, COKE OYENS, AND NAME OF MINE SUPPRINTENDENT.	
TOWN AND	COUNTY.		
Castle Gate Ry, 230.	Emery	Pleasant Vailley Coal Co., Salt Lake City, Utah, C. W. Drake, seey, and treas.; D. C. Dodge, mgr. Cap. stk. 82,500,000. Castle Gate. Tunnel, 155,000 tons; electricity, breaker, su coke ovens, 25,000 tons, W. G. Sharp, supt.	
Coalville By, 776,	Summit	Chalk Creek, Conl Mining Co., Saft Lake City, Utah, 225 W., South Temple St. Geo, C. Kidder, prest.; J. D. Jahlee, seey., H. P. Mason, treas.; J. H. Clark, nigr. Cap. 8tk, \$50,000. Chalk Creek. Shatts, steam and horse. Isaac Trega, supt.	
	**	Home Coal Co., Salt Lake City, Utah, 22 E. First S. R. C. Chambers, prest., F. A. Mitchell, seey., mgr. and Supt. Edward Kimball, treas. Cap. 8tk. \$25 (000. Wasatch. Shalt and tunnel, 37,412 tons; steam.	
Grass Creek Jn (P.O.Coalville		James Robinson & Co. (lessees.), Coalville, Utah. James Robinson, ngr. Old Church. Tunnel; horse,	
Scotic1d Ry, 215.	Emery	Pleasant Valley Coal Co., Salt Lake City, Utah. C. W. Drake, seey, and treas., D. C. Dodge, mgr. Cap. stk. \$2,500,000. Winter Quarters. Tunnel, 125,000 tons: electricity, breaker. W. G. Sharp, supt.	
		Union Pacific Coal Co., Omaha, Neb., F. D. Brown, treas., G. W. Megeath, gen. supt. Pleasant Valley. Tunnel, 90,000 tons: horse. W. G. Sharp, supt.	

### COPPER

Loca	TION OF MINE.
RAILWAY	S, WATER HOUTES
AND S	hipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

LOCATION OF MINE,

### GOLD AND SILVER

RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF FIGUREAR OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OFFICE IN TOSS OF 2000 POTUS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.
TOWS AND	COUNTY	
Alpine Urty Ry. American 215, 776.		Nettie Mining Co. J. G. Wilkin, prest., W. Healy, seey., H. Healy, treas. Cap. 8tk, \$20,000. Nettle silver and lead. Shatt, 20 tons, refractory, band. W. T. Brown, supt.
		J. G. Wilkin, Hiram & William Healy. Jeannette, lead and silver. Slope: hand (developing).
VII.a Sa Rv. 215.	ilt Lake	Emma Mining Co., Etd., London, Eng., 16 George, st., Mansion House, E. C., F. W. Snell, prest.; R. K. Hobbs, sevy., H. C. Woodron, mgr., Cap. stk. 862500. Emma, silver, lead. Tunnel and shaft, 5,000 tons, steam and compressed art. W. H. Emblyn, supt.
	k+	Monteanna Silver Mining Co., Detroit, Mich., 210 Larmed St. W., John Belknap, prest., David R. Pierce, see, and freas. Cap., stk. 850,000. Monteanna, Savage, Hiawatha, Last Chance, silver and lead. Tunnels and shafts, 55 (rows, free; hand. 116s. W. Buzzo, supt.
		C. M. Sickles & James R. Tainsh. Kenosha, gold, silver and lead. Tunnel, shatt and slope, 5,000 tons, retractory, horse and hand. "Jus. R. Tainsh, supt."
American Fork	Utah	E. H. Baley & Co. Cap. \$7,000. Lone Pine, gold, silver and lead. Funnel and slope, free; hand. E.

J. Preston, J. Chipman & L. Kulkowski. Emma, silver and lead. Shaft, 25 tons, refractory, horse, L. kulkowski, supt.

### GOLD AND SILVER (CONTINUED)

### LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

COUNTY. AND

American Fork

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Utah Treasure Consolidated Mining Co. J. Chipman, prest.; W. H. Chipman, seey, and treas.; John Chadwick, mgr. and supt. Cap. 8tk, \$1,000,003. Treasure, gold, sliver and fead. Tunnel and slopes, 5 fons; refractory; hand.

Bangham Canyon Salt Lake, J. B. Cornwell, Cap. 810,000. Unlimited, Logan, Crown, Silver Shield and others, gold, and silver. Shaft. tunnel, slope and open pit, 500 tons, hand, Highland Mining Co., Saft Lake City, Utab, 23t S. Main St. Frank Hoffman, mgr. Highland and others,

gold, silver and lead. Shaft, 10,000 tons, steam. James Judd sr. Agnostic, gold and silver. Tunnel, free; hand (developing). William E. Judd, supt.

The Lexington Mining Co., Saft Lake City, Utah, Rooms 19 and 20 Commerce, Balg., Paris, France, 24 Rine de Peletter. Engene Rameyes, prist, G. Lavagrumo, ngr. and supf. (42), 848, 82,000,000. Old Telegraph, gold, 840er and lead. Tunnel and shaft, 5,000 tons, Free; water and steam, 5.8 tamps. (12 miles).

Nast Mining & Milling Co., salt Lake City, Utah. Frank Knox, prest. John M. Zane, seey: J. A. Early, trens., Daniel Eyet, mrt. and singt. Cap. stk. 8200,000. Nast and others, gold, silver and lead. Tinnel, 1,006 tons, retractory, hand.

Nagara Manng & Sneiting Co., Salt Lake City, Utah, 168 Main St. Gilbert F. Polen, prest., C. Howard Schermerhorn, seey, and Treas., N. Frescek, ngr. Cap. 8tk, 810,000,000. Vagara Group, gold, silver and lead. Shafts, funnels, retractory, steam, mill. John Treweck, sup.

Old Jordan & Galena Muning Co., Salt Lake City, Vtah, P. O. Fox 1927. L. E. Holden, prest and nigra: C. E. Allen, seev., W. S. McCornick, treas. Cap. 84k, 82900,000. Jordan, Galena, Wary Ann and others, 20dd, silver, lead and iron. Shart and funnel, 60000 tons, retractory, steam, do stamp mills. A. F. Holden, supt.

Orphan Boy Maning Co., San Francisco, Cal., Chroniele Balg. Col. Isaac Trumbo, prest, and mgr. Orphan Boy, Lydia Emo, Walk. Ott. Keystone, Romant and Starless, silver and lead. Tunnel and shaft, 1,850 four; retractory. Goo. E. Lee, supt.

Petro Munig Co., Saft Lake City, Utah, & Commercial Bldg. G. R. Bothwell, prest., S. B. Milner, seey, treas, and mat. (\*cap. sik. skoopoo). Petro, Democrat and Addella, silver and lead. Shatts and tim-nels, alone tons, refractory, steam. Andrew Johnson, sup.).

Sampson Mining Co., Salt Lake City, Utah, at Gradstone Bldg. A. F. Hyde, prest. J. Schenek, seey and supt., George Arthur Rice, treas, and mgr. Cap. 8tk, \$200,000. Sampson, gold, silver and lend. Shaft, 1000 funy, refractory, steam.

Turngten Maning Co., Saft Lake City, Utah, 56 W. Second S. St., Damel Trengten, prest. J. J. Rogers, seev. J. W. Suffyan, treas. Cap. 8tk, 82,700,000. Durngren, gold, 8dver and lead. Tunnel, tree. developins.

Yamija Extencon Maring Co., Saft Lake City, Utah, Hooper Ricek. Asiac Jenicius, prest and mgr. Vamija Extension, Rattlesnake, Koepap achuru, Byrel and Ltafka, gela, saver and lead. Tunnels and shafts, 5000 tons, tree, water—teor. E. Lee, supt. York Mining Co., Saft Lake City, I tah, Rooms O and Jo Wassatch Rlock. John A. Groesbock, prest. W. B. Andrewsseev, and treas. D. H. McAll Ster, v. prest, ingreand supt. Cap. sits. Stemmon. April. 2006, 800 pt. 300 ctors. Stemm.

Butte Minaig Co., Foreka, Utah., C. W. Cark, prest., B. P. Clatk, seev. and treas., Albert Leigh, mgr., and supt. Cap. stk., stagoo., Diamond, gold and salver., Found and shaft, 1,700 tons, tree, hand and supt. Cap stk Albert Leigh, supt

Juab C. W. Bennett Min ug Co., Salt Lake City, Utah, P. O. Boy tsu. Cap. s.250,000 C. W. B. Group, gold, silver and lead. Shatt and funnel. hand and steam developing a C. S. Unys, supt.

Bullion-Bock & Champion Muning Co., Salt Lake C. G., Utah — Moses, Thatcher, prest., W. J., Benttie seey., Wm. B. Preston, treas. A. J. J. Hyde, mar. Cap. stk. s1,000,000. [Bullion Bock and Champion, gold, s.Iver and lead. Shaft, 92,000 fous, tree steam. I. J. V. Taylor, sign.

Centenmal-Putcka Munig Co., Saft Like City, Utah, Opera House Block. J. I. Woodman, prest. W.W. Unsholm, seep, Itoes, and mgt. Cap. sik. 81,26000. Centenmal Jarcela, Phys. Rock. Kendulf, Ata and others, gold, silver and coppet. Shaft, 2500 1668, Proc. and tertactory, steam J.D. Kendalf.

Balthazar Christenson Mahogany, Marion and James G. 19ane, 2051, 8 Ver and 3 of J. Tunnets and shall; retractory hand

Godiya Mining Co., Sa't Lake City, Utah. John Q. Packard, prest. John Methrysta', scov., nigr. and supt., Robert Harkinss, freas. Cap. 8tk. 850,000. God va., gold, sa'ver and lead. Junnel, 30c tors. free, bank.

Gold Blossom Alming Co., American Fork, Utah. John Nicholes, prest. (\* W. Koby, socy. and mgr., George Nicholes, treas. Cap. stk. st.common. Gold Blossom, gold. Shatt. (ctractory, horse.) John & John H Methrystal, Fureka, gold, salver and lead. Shart, and timne, tree-steam, John

Met brystal, supt North Eureka Muning Co. J. P. Murray, prest , C. J. Peebles, seev., Eat. Donne'v, treas. Fugo-Depuzin, mgr. and supt. Cap. 8th, 800,000. North Luncka and others, gold silver and fend. Shaft.

Pasadena Mining Co., Salt Lake City, Utali, 48 W. Second St., Alex, McKaeman, prest, and treas. A. F. Daying, seey. A. S. Johnson, ngi, and supt. Cap. stk. 81,000,000. Pasadena, gold-and-silver. Tunnel.

Daying, seey , A S do tree, hand and horse. Richmond & Anacouda Consolidated Mining Co., Saft Lake City, I tah. S. W. Moccison, prest. John H. McChristal, v. prest. J. J. Stewart, Treas. W. C. E. Alfen, seev. J. T. Escavack, fig.r. and supt. cap. Sik. Soupon. Dambiara, gold and silver. Shatt and thimlet good into. Stev. holes.

The Tetro Muning Co, of Tintic, Salt Lake City, I tali. Noali W. Met hrystat, prest. Win R. Wallace sery.; Harry T. Duke, treas., Gus. Tetro, mgr. and supt. Cap. stk. 820,000. Good. Funnel. han obvelopings.

Fish Springs than P.O. Deserted By Oasis 776 off miles Justic Lamma Mining Co., American Fork, United Tunna, silver and book. Slope and time become requirement

(Continued)

Ry. 215.

(4 miles).

13 miles).

Damond: P. O. and Rv. Silver City 776

Eureka 123 215, 775

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# GOLD AND SILVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMFANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANDIAG OUTPUT IN TOSS OF 2,000 POUNDS, KIND OF FOWER USED, NAMEN MILLS, FICE, AND NAME OF MINE SUPERINRESDENT.
Town And County	OF THE RESERVED THE PROPERTY OF THE PROPERTY O
Frisco Beaver Ry, 776.	Blue Jay Consolulated Mining Co., Sait Lake City, Utah. 4a Central Block. W. H. Chamberlin, prest.: John T. Lynch, seey, and treas; Jack Holton, mgr. Cap. 84k, 82,000,000. Trojan, Blue Jay and Mona, silver and lead. Free; horse and hand developing.). O. D. Bendrickson, supt.
44	Cactus Mining Co., Parls, France, 20 Rue Taitbout. Sallandrouze de Eamornaix, prest.; Harry T. Duke, seey.; Joseph Luce, ngr. and supt. Cap. 8tk, \$5,000,000. Voorhees, silver and lead. Shaft and funnel; retractory; hand (developing).
	Horn Silver Mining Co., A. C. Washington, prest.; A. I. Harrison, seey, and treas.; P. T. Farnsworth, mgr. Cap. stk. \$10,000,000. Horn, silver and lead. Shaft, 26,000 fons; refractory; steam. J. Osborne, supt.
From City From P. O. & Ry, Millord 776.	Blair Mining Co., Sailt Lake City, Utah, 29 Main st. J. M. Blair, prest, and mgr., R. S. Campbell, vprest, J. T. Hammond, seey, Geo. E. Blair, reas. Cap. 8tk. \$500,000. Flower of West, Tufnan, Blair, Trade Dollar and others, silver. Bhair and tunnel, 1,100 tons, free; horse. Bitgham Larson, supt.
Joseph Sevier Ry, Salma, 215 (50 m.).	Bald Mountain Mining Co., Castle Gate, Utah. H. B. Asadoorian, prest.; J. R. Sharp, seey.; B. F. Cafley, treas.; Jas. L. Smith, mar. Cap. sik. \$500,000. Annie Laurie, gold and silver. Tunnel; free; electricity (developing). Win. Dickson, sipt.
	$Scott \& Baalman, \ Barcelona, gold, silver and copper. \ Shaff; \ refractory; \ horse \ (developing),$
	Ogden-La Plata Mining & Milling Co. Frank J. Cannon, prest.; A. A. Wenger, seey.; J. M. Langsdorf, treas.; J. M. Harris, mar. and supt. Cap. stk. \$1,000,000. Beller, Blue Bird, Sun Side, silver, lead and copper. Shatt: refractory. hand.
Mammoth Just. Ry, 776.	Gerber & Hofer. Hungarian, silver and lead. Shaft and tunnel, 20 tons.
(2 miles).	Mammoth Mining Co., Salt Lake City, Utah. Wm. McIntyre, prest.; J. Fred Corker, seey.; Samuel McIntyre, trens.; J. A. Cumingham, mgr. Cap. 8th, 840-00. Mammoth, gold, silver, lead and copper. Shaft, 3000 tons: refractory: steam. W. M. Yeshir, sapt.
Marysvale Pr Ute Ry, Sahna, 626 (43 m.).	The Dalton Gold Mining & Milling Co., Saft Lake City, Utah, Hooper Bldg., Room 62.—C. A. Ames, prest.; Willis M. Ames, Seey., Frank Knoy, trens; Isaac Jenninas, mgr. Cap. 84x, 82,500,000. Teal and Hard Cash, gold and sliver. Tunnels and shaft, 3,000 toos, free, water; mill.
	Ferris Gold & Silver Mining Co., Salt Lake City, Utah, 60 E. Temple st. Lorenzo Snow, prest.; A. M. Musser, seey., B. H. Shuttler, freas.; A. F. Gregirson, mgr. and supt. Cap. stk. 85,000,000. Twelve inlines, gold. Tunnels, free (developing).
	Gold Belt Mining & Milling Co., Saft Lake City, Utah, 43 W. Second South St. Wm. F. Colton, prest.; W. H. Donnell, seey.; E. L. Carpenter, treas., C.A. Ames, mgr. Cap. stk. \$500,000. Hidden Treasure, Giles, Gold Belt, Gold Belt Extension, gold and silver. Tunnel; free; hand (developing). D. A. Giles, supt.
**	Webster Mining Co., Salt Lake City, Utah. Webster Group, gold, silver and lead. Tunnels, retractory; 10 concentrators. John Fergusson, supt.
Milford Beaver By, 776 (16 miles).	James Barretts. Moscow. Tunnels and shafts, 50 tons, free and refractory; hand.
**	John T. Kelly. Anvil, gold, silver and lead. Stope, free; hand,
	James Layelle. Tron, gold, silver and lead. Slope, shaft and funnel; tree; hand.
64 89	W. R. Sloan. Affas, gold, silver and lead. Tunnels, sharts and melines, refractory, hand.
	Talisman & Stalwart Consolidated Silver Mining Co., Seattle, Wash. 1, F. McNaught, seey., H. Hetner, nugr. Cup. stk, 81,000,000. Talisman and Stalwart, silver and lead. Slope, retractory; horse and hand advectioning. Peter S. Martin, suppl.
Miller Hill — Utah P. O. and Ry. Ameri- can Fork 215, 776.	The Treasure Consolidated Gold & Silver Mining Co., American Fork, Utah. James Chipman, prest; Edward Winn, v-prest.; Washburn Chipman, seey, and treas. Cap. 8tk, \$2,500,000. Treasure, Dolphin, Venno, Oliver, gold, silver and lead. Tunnels.
Minersville Beaver Ry Millord 776.	W. L. Croft. Clede, Two Lone Brothers, Rattler and others, gold, silver, iron, copper, lead and bismuth. Tunnels and shafts. free (developing).
Grantes).	Gressmen Bros. North Galena, gold, silver and lead. Open pit; tree; hand.
	Monte Cristo Mining & Milling Co., Salt Lake City, Utah, 20 E. First South St. J. G. Jacobs, prest.: Joseph T Bache, sery; i tsear Zipt, treas., J. H. Dupany, e-prest., mgr., and supt. Cup., stk. \$1,000,000. Monte Cristo, goods, silver and copper. Tunnels and sharts, 70 tons, free: water: 3 stamps.
	Charles Rolf. Maybel and others, gold and silver; water.
Mona. Juab Ry, 776.	Lorenzo Pabcock. Cap. 81,200. Hidden Treasure, gold, silver, iron and imea. Tunnel, 150 tons. hand.
(5 miles).	Elias Molyneux. Cap. \$4,000. Gold King, gold and silver. Shaft, (40n, 4rec, hand.
	Starr Bros. Enterprise, gold, silver and lead. Slope and tunnel, to tons: hand.
**	John Yates & Ruben Stevens. Cap. \$4,000. Great Eastern, silver and lead. Shaft.
Ogden Ry 215, 776 (Weber	Don Maguire, 56 Twenty-fifth st. Cap. 8100,000. Santa Maria, gold and silver. Tunnel, 300 tons, re- fractory, horse. John Reddy, supt.
0 0	Red Jacket Mining & Milling Co., First National Bank Block. H. B. Westover, prest., John E. Bagley, seev., W. V. Helfrief, (1938), C. K. Westover, ingr. and suptl. Caps 8th 82,000,000. Red Jacket, Queen of Hills, gold and sibter. Shaft and tunnel, 30,000 tons, free; hand and sleam.

Ophn . Toocle Estate of Gen. P. E. Connor. Chloride Point, silver. Tunnel, 300 fons. Free. Ry Stockfor 756 (1946).

# GOLD AND SILVER (CONTINUED)

Loca	TION OF	MINE,
RAILWA	IS, WATE	R ROUTES
AND S	HIPPING	POINT.
Torne		Corses

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CAPITAL STOCK, NAME OF MINE, KIND OF DUE, KIND OF MINE, ANNUAL OUTFUL IS TOSS OF 2000 POVENT, SIND OF FOWER USED, NAME MILLS, ETC., AND NAME OF MINE SUPERINERORIEST.

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$\underset{(Continued.)}{\operatorname{Ophir.}} T$	'oosele	Consolidated Wining Co., St. Louis, Mo., cor. Second and Cass av. W. F. Niedringhaus, prest. Alex. Niedringhaus, seey, and treas., E. J. Raddatz, mgr. and supt. Cap. stk. steepool. Buckhorn, silver and lead. Shaft, slopes and tunnels, from tone, retractory, steam.
**	**	GladStone Mining Co., GladStone, gold, silver and lead. Shatt, tunnel, slope and open jut, retractory and free, hand. Geo. St. Clair jr., supt.
(10 m./rs).		Little Putsburg Mining Co., Salt Lake City, Utah, 6 Central Block. P. Condon, prest. A F. Groves, seey, and trens. James McEvoy, ingr., and supp. Cap. 8th. 82,000,000. Little Putsburg Group, gold and silver. Slope and fund.
(12 miles).	**	Patrick McVice, Margaret Kelly & Lewis W. Clark. Northern Light, gold, silver and lead. Shatt. 750 tons, free and refractory, horse.
Park City St Ry. 776 (3 miles)	mmit	Alliance Maning Co., Salt Lake City, Utah, Ios Mani St. A Hanamer, prest., C. T. Stevenson, seey., Jas., Gleindenning, treas., N. Treweck, mgr. Cap. Stk. 810000. Nanc claims, gold, silver and lead. Shatts and funnels, retractory; steam. Cos. B. Norman, supt.
	**	Anchor Minnig Co., Cleveland, Ohio, O Encloday. John I. Woods, prest., D.C. McLaughlin, seey., W. S., Mistorniick, frass., Edward P. Terry, mgr. Cap sik S.,500,000. Anchor, gold, silver and lead. Tunnels and shaft, 56,600 nos, retractory, Scaum, mill. David leathly, sipt.
	••	Crescent Mining Co. L. H. Withey, prest., H. M. Harsdill, seey., W.S. Met offinels, from S. James Metergor, negr. (ap. 848–85,00000). Forty mining claims, gold, silver and lead. Shatt and tunnels, 5a38 fore, tree, steam. James Heckey, supt.
••	15	Daly Mining Co., Saft Lake City, Utah, 125 S. Main St. R. C. Chambers, prest, jing, and supt., Thos. J., Almy, seey., J. B. Haggin, Itens., cap. stak., stoogood. Paly, gold and salver. Shart, 29,948 fons., retractory, steam., spistamps, chloridizing furnace.
**	**	Glencor Mining Co., Salt Lake City, Ptah. M. Shanghnessy, prest., H. G. McMillan, seey., George S. Frink, v. prest, and treas. Cap. 8tk, 82,50,000. Glencor, silver and lead. Tunnel, retractory, steam, W. M. Gutts, supt.
**		Jupiter Muning Co., Council Eluils, Iowa. Goo F Wright, prest; Win Seidentopt, seey., Win Moore, trens. Class I, Street, mgr. and supt. Cap stk. 85,000,000. Seventeen mining claims, gold, silver and lecal Trimels developing.
Provide tity Ry, 215, 776.	Utah	Ontario Silver Manig Co., Salt Lake City, U.Ch. 125 S. Main St., J. B. Hazgin, prest, and treas. Trwin C., Stunip, seey. B. C. Chambers and and sind. City St. S. Storogov. Ontario, gold and silver. Shaft, 36:38 toric, retractory, stems. In estamps, relifiered 2003 transces.
Rush Valley P O American Ry RushVal S (	Utah Forke	
		Buffalo Bill Minnig Co., John J. Cesleng, prest. Tred B. G. lett, v. prest., v. L. PowyP, treas., R. W. Jones, seev. Cap stk. siecoco., Cold, silver, lead and Jon., Tunnel and shaft, horse. B. W. Jones, smit.
		Brooklyn Wining Co., Springville, Utah - Brooklyn, gold and silver - Shatt, 100 tons - retractory - horse
		Cleveland Consolidated Mining Co. Geo. Ryan, prest. Charles 8. Horne, seev and freus. Cap.84k. 815500. Gold and silvet. 100 tons. Cettactory. Increase and steam.
	**	Columbus Mining Co., Codar Rapids, Iowa — Samuel P. Uv, prest — John S. Fly, seev and Iteas — Cap. Sik., S1000,000 — Julian Lane Group, gold and silver. — Shatt and funnel Area and retractory. H. C. Wilkin, Smit.
		tolden Treasure Mining Co., Saft Lake City, Utah., Judge Marshall, prest., J. I. Doody, seey., treas, and mgr., Golden Treasure, gold and silvet. Shatt, 2000 tons. tree, hoise. Win Carrothers, supt.
		H. D. Jones - Unding silver and lead - Duranel, shart, 500 tons - retractory, hand
		Mountain King Mining Co., Salt Take City, California, prost T. M. Benede t, seev and in a E. Griffellis, treas. Cap. stk. showed. Monterey, six condition. Shart tree, horse, T. Port, supt.
		Phoenix Mining Co.: Phoenix, gold, silver and copper. Shart, timbed beveloping. Colo. 8. Bust supt.
		Pride of the Hills Mining Co., Sall Clake City, Utah, is W. Second South st. D. A. Sheley, prest., James L. Vondy, seev, and Gross. J. W. Shuth, high and sopt. Cip Stk. Socioce. Pride of the Hills Mor- mon Chief, Sanday and others, gold, salver, leava and from Junnels, shafts retractory horse.
		A. Roberts Cap Storon. North Star, 201d, silver, lead and copper. James, 489 tons (retractory hand,
		Silver City Gold & Silver Mining Co., Saft Lake City, Ulah, Reand be Commercial Burg. C. R. Hancoos, prest, and mgr. J. Reltman, seev., 11–3. Osborne, treas. Cap. silv. succe. Who det, salver, and lead. Shatt horse, J. W. Black, supt.
		Silver Spar Alming & Milling Co., Geo Ryan, prest, James A. Follock, v. prest. George F. Howeley, frens, Amer Dodd, see V. Capestle St, Joeph C. Gold, silver and lead. Retractory horse and steam developing. Geo Ryan, sapt.
**		Siony Consolidated Minning Co., Provo City, Utah. S. S. Jones, prest. Albert Jores, seev. and treas. C. E. Loose, mar and stipt. Cap. 84,000,000. Soony, gold, and silver. Shatt and slope, 1,000 fans retracterly, horse and hand.
		South Swansca Mining Co. J. I. Croxall, figt. and supt. Cap. stk. 8a,000. South 8 canse a server, it on and lead. Shaft, 250 tons, retractory, horse,
	1.	Tesora silver Munig Co., Chengo, Ill., 225 Dearborn St., George F., Church, prest., J., B., Chandler, seev. F. W. Tarwell, Breas., C. H., Blanchard, mgt., and. supt., Cap. 8th, 8 20,000. Tesora, gold and 8 lyer. Shaft, refractory, busse.
Silver Reet - Washi Rv Wiltord 776	ngton	Christy Mining Co., San Prancisco, Cal., 300 Pinest - Robert N. Graves, prest - George R. Spinner, seev. Anglo Californian Bank, treas - D. W. Tyyrell, mgr. and sapt - Cap sik streeties - Christy, salver - Shattand slope, treet, steam, 5-stamps.
		Stormont Mining Co., Philadelphia, Ph., 268 S. Lourth St., Charles H. tehman, prest. Savage, Eacl., eye, Last Chance, MacNally and Thompson, savet. Shatt. tree. steam, Joshangs.
		D. Der Land S. Deld C. Berlin and Welling of the Secretary of the Company of the Secretary

Wootley, Lund & Judd. Barbee and Walker, silver Sope tree steam is stumps. H. W. Miles, e.g.t.

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### GOLD AND SHLVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICEDS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

stockton Ry. Termions 776(2 m.).

COUNTY.

Argent-Wade Hampton Mining Co. John F. Connor, propr. Cap. \$1,500. Argent and Wade Hampton, gold, silver and lead. Slope, 100 tons: horse

F. Durgy & Co. Cap. \$30,000. Alice Group, gold and silver. Shafts; steam. E. J. Raddtz, supt.

L. Osgood. No.U. Don't, gold, silver and lead. Shaft and tunnel; refractory; steam.

J. C. Reynolds. Bunker Hill, silver and lead. Shatts, 500 tons; steam and horse, Shamrock Mining Co. C. E. Mitchener, prest.; E. B. Critchlow, seey, and treas.; E. B. Mitchener, mgr. and supt. Cap. stk. \$200,000. Shamrock, silver and lead. Shaft; steam developing).

Tonele Trutic Not a P. O. (Ry. Delmont 776.

New Tintle Mining & Smelling Co., Sall Lake City, Utah, Central Block, Rooms 34 and 35. P. A. H. Frank-lin, prest; Edw. J. Dinmick, seey., Christian Freider, treas, Cap. 8tk, 83,000,000. New Tintic, gold, silver and lead. Shaft and tunnel; free developing: J. D. Stevens, spir.

Toocle Pine Cyon Mining Co., Salt Lake City, Utah 64 West Second South St. W. M. Miner, prest; Criston Johnson, seey; J. M. Hamillon, trens.; Benl. Peasnall, mgr. and supt. Cap. 8tk. \$200,000. Pine Cyon, golds sliver and lead. Tunnel, free. Tooele lay, 776 (3 miles). Junb J. R. Hickman, P. O. Box 23. Hickman, Clayton and Wright, gold, silver and lead. Shaft and inclines (de-West Tintic . Just (P. O. Nephi) Ry, Iron-ton 776.

GYPSUM

veloping).

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Tows

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND Nephi Řý. 776.

COUNTY.

Jugb Nephi Plaster & Manufacturing Co., Main st. John Hague, prest.; J. A. Hyde, seey., treas, and mgr. Cap. stk. 8100,009. Nephi. Open pit, 2,409 tons; water.

### HRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2,000 FOUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

COUNTY. from City 110n P.O. & Ry, Miltord, 776.

Iron Consolidated Implement Co., Cedar City, Utah. G. G. Davis, prest, and treas. James Woolsey, seey.; E
 J. Eddards, mgr. Cap. 848, 82300000. Flag Staff, Wall Street, American Eagle, iron. Tunnel refrictory. David Woolsey, sppt.

### LEAD AND ZINC

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT TOWN AND COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORL, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

Summit Park City Mining Co. John L. Street, prest., Chas. E. Street, seey., treas, and mgr. Cap. stk. \$100,000, Seven claims, lead. Shatt and tunnel.

### MINERAL WAX

LOCATION OF MINE. BATHWAYS WATER BOUTES OND SHIPPING POINT. (NO POINT)

NAME OF COMPANA OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL DUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Utah Ozocerite Manug Co., New York, N. Y., 280 Broadway, A. Wafface, prest.; Chas. H. Barkley, seey, and v. 215. — treas., R. J. Krompa, mgr. and supt. Cap. 8tk, \$1,55,000 Sammat, mineral way. Shatt, steam. Soldier's Summit Utah Not 100 - Ry 215.

# SALT

RAILWA		R ROUTES
AND	HIPPING	POINT.
Town.		0

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK.

NAME OF MINE, KINI OF PRODUCT, KINI OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2,000

POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUFFERINTEEMENT.

AND SHIPPING POINT.			
Town	AND	COUNTY.	
Centery Ry. 3		Davis	Sagmaw by ev
Nephi Rv. :	76 +6 mi	Juah Jesa	Nephi Sa Cap.

maw Salt Co., Salt Lake City, Utah. E. E. Rich, mgr. Cuo, stk. 850000 - Made from Great Salt Fake

	by evaporation, coarse, fine and dairy. 20,000 fons, steam.			
Juah	Nephi Salt Mining & Manutacturing, Co. Geo, C. Whitmore, prest, C. S. Can off, 205 and Peak Manusanan art transfer from January	Tingey,	seey., treas.	and mgr.

Safina Ry, 215.	Sevier	Lewis & Gottfredsan.	Cap. \$3,000.	Lewis ${\bf A}_{\rm c}$ Gottfredsan, rock salt.	Open pit, 250 tons; hand,

14,71 = 11.11		
Salt Lake City Ry, 626, 776.	Sa't Lake	People's Forwarding Co., 26 E. Second South St. E. F. Rich, treas, and mgr. Cap. \$50,000. Lake Shore, water from Great Salt Lake, coarse. 25,000 tons, steam. Chas. Backman, supt.
	4.	Saginaw Salt Co., 24 E. Second South St. E. E. Rich, prest, and mgr.; S. F. Walker, seey, and treas. Cap. stk. 850,000. Saginaw, water from Great Salt Lake, coarse. 20,000 tons, steam. Chas. Backman, supt.
	**	Desert Salt Co., James Sharp, prest., C. W. Lyman, seey and treas . Geo. J. Waller, mgr., Cap. stk., Soc., 600. Desert, coarse., 12,000 tons, steam.

Syracuse	Davis, Adams & Keisel Saft Co., Ogden, Utah., D. C. Adams, prest., H. A. Landsey, seev., Theo, Schausenbach,
Ry. 215, 776.	treas., Wm Schausenbach, mgt. Cap. stk. \$100,000. Pumped from Great Salt Lake, coarse salt. (25,00)
	tons, steam.

# SLATE

LOCATION OF QUARTY, RAILWAYS, WATER ROTTES AND SHIPPING POINT.		NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STO NAME OF QUARTY, KIND OF SLATE, KIND OF QUARTY, ANNYAL OUTFICER'S LOSS OF 2100 POINTS, KIND OF DOWN IN USE, MILLS, ETC., SAYD NAME OF QUARTY SCHEINTENDEST.
TOWN AND	COUNTY.	ATO OF TOWER CSEP, MILES, EIT, SAP ANDER OF QUARKS SUPERINTENDENT,
Provo City Ry, 215, 776.	. Utah	The Colorado & Utah Minang & State Co., Colorado Springs, Colo., P. O. Roy 14t. E. C. Barton, prest., W. W. Wallamson, seey., Walter Barlew, treas. Cap. (d. 84,000,000). Hoda and charleston, blue, gray

#### Hathenbruck & Pike, Provo City, Utah, (1 Union Block - U. W. C. Hathenbruck, prest), mar and supt : Fdward Pike, seev. W. R. Pike, treas. Cap. stk. 82000 - Provo, slate - Open pit, 30,000 fons water and steam, milt.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, KAILWAYS, WATER ROUTES AND SHIPPING POINT.	AMP OF COMPANY OF INDIVIDUAL, LOCATION OF FRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF WINE OF UP GRAY, KIND OF SIOUS, KIND OF MINE OR QUARRY, AND GROUP THE TEXT TONS OF 20th POLYSIA, KIND OF FOUR LESSES, STONY OF MALLED MILES, LAMBRILLS AND
TOWN AND COUNTY	Capacity, Lie, and Name of Mine Superintendent

Castle Gate Ry, 215	Emery	Perguson & Carpenter, Salt Lake Caty, Prah. P. O. Box Pére, Cap. (85,000) Sharp's, sandstone. Open pit, 10,000 tons, frand. [J. L. Ferguson, supt.
Cedar City	Lion	Williams & Bladen clocal . Cap. 8700. Red cloud limestone. Open n.t. agrans. h and mill

Ry. 215.		
Ephram Ry, 215, 776	<ul> <li>San Pete, E. L. Parry, &amp; Sons, Manti, Utah, T. J. Parry, treas, J. John C. Johnson, supt.</li> </ul>	F. I. Patty, seey. Oolitie. Slope, 400 fors, hand.

14, 141		
Park City Ry. 776.	Summit	Metropolitan Stone Co., Salt Lake City, Utah, Hooper Block. Sanion Bannoetger, prest. W. J. Keffer, Seey. H. W. Met arthey, mgt. Cap. 8tk. 850,000. Metropolitan, sandstone. Open pit, steam. Alt. A.
		Budy sunt

# SULPHUR

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICES, CAPITAL STORE NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUALOU LETTIN TOSS OF 2.00 FORMUS, KIND
Town AND COUNTY.	OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Sulphurdale Ber	aver Thekert & Myer	s, Salt Lake City, Utah	ап	Bartend, mgr	cap. stk.	\$2,000,000,	town treels	Open
P O and Ry, E Rock 776.	dack pit, 45,000 ti	us steam.						

# SEE ALSO SUPPLEMENTARY LIST

# VERMONT

### COPPER

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Name of Company or Individual. Location of Principal Office, Names of Officers, Capital Stock, NAME OF MINE, KIND OF CIRE, KIND OF MINE, ANNUAL CUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, I URNACES, LTC., AND NAME OF MINE SUPERINTENDENT.

AND

South Strafford . Orange - Elizabeth Mining Co., Baltimore, Md., 30t X. Charles St., Jas. W. Tyson, prest.; Wm. Gleim, seey., M. D. Ry. Pompanoosic 71. Tyson, treas., Geo. W. Dow, mgr. and supt. Cap. stk. \$500,000. Elizabeth, Shaft and tunnel: steam

### KAOLIN

LOCATION OF MINE OR BANK, RAILWAYS, WATER ROUTES, AND SHIPPING POINT Tows AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BANK, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF SUPERINTENDENT.

mington Bennington S. C. Lyons & Bros. Kaolin, ocher. Shaft, slope, 1,500 tons. water, steam, Ry, 58, 392 Bennington

8. Shattsbury Bennington [8] C. Lyons & Bros. [Kaolin, ocher.] Shatt, slope, 500 tons; water; steam. Ry. 58.

### MINERAL PAINT

LOCATION OF MINE BAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Beamington | Beamington | Enos Adams & Co. | Vellow other, crystallized quartz. | Shatt, 800 tons, water; stone mills. Ry. 58.

Legeister Addison Crown Point Mineral Paint Co., Crown Point, N. A., Chester Griswold, prest. Cap. \$10,000. Ocher. Shaft, 800 tons, steam; mill. H. C. Brownson, snpt. Ry. Brandon 120.

### SLATE

1313.4.12						
LOCATION OF QUARRY, RAILWAYS, WATER ROTTES AND SRIPPING POINT. TOWN AND COUNTY.		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF QUARRY, KIND OF STATE, KIND OF QUARRY, ANNUAL OUTPUT IN IONS OF 2300 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.				
Castleton Ry. 213	Ruttand	Billings, Slate & Marble Co., C. W. Billings, prest., C. W. Tennant, seey, and treas. Cap. 8tk, \$50,000. Trojan Open pit, tinnel, 200 tons, steam, mill. Patrick Quinn, supt.				
1.5		Bolger Bros. Cap. \$50,000. Open pit, 14,000 tons, steam, mill.				
* 1		R. Hanger's Slate Works. Cap. 8tk, \$55,000. Open pit, tunnel, 1,000 fons, steam, mill. Wim. R. Hughes, supt.				
**	٠,	Lake Bomoscen Slate Co. Cap. 850,000. Lake Bomoscen. Open pit, 2,000 tons, steam; mill. John Delehanty, supt.				
Tau Haven . Ry 213	Rotland	Coulman & Westcott - Cap \$25,000. Open pit, 1,200 tons; steam; mill Win. Francis, supt.				
		Fan Haven Marble & Marbleized Slate Co. U. R. Allen, prest., F. E. Allen, seey, and treas., E. L. Allen, mgt. Cap. 8tk, 8100,000. Open pif, 1,000 tons. 8team, water, mill.				
		Francis & Co. Open pit, horse. William Francis, supt.				
		Jones, Owens & Co. Open pit, 760 tons, horse				
Powlet Ry Granye 218	Ruthand Pe. N. Y.,	Thomas R. Griffith. Open pil, 1800 tons, steam.				
		W. H. Hughes. Open pit. steam.				
		Norton Bros. Cap. \$45,000. Open pit, steam, mill				
		Owen W. Owen's Sons. A ap. \$10,000. Open pit, 5,000 lons, steam.				

Rising & Nelson | cap. shoom. West Pawlet | Tunnel, open pit, 10,000 tons, steam, John R. Robert,

Williams & Ldwards, Cap. 830,000. Open pit, 5,000 tons, steam, horse,

Poultney Rv. 213.

Rutland Aubl & Conger, Cleveland, Ohio, 100 Euclid av. Cap. 8tk. \$100,000. Manmoth. Open pit, 30,000 tons: steam. M. J. Jones, supt.

Buckeye Slate Co., Seth Roberts, prest, and seey.; R. L. Jones, treas, and mgr., Cap. 8tk, \$10,000. Buckeye.; Open pit, 5,000 tons, steam.

Closs & Owens, Camaroon, Open pit, horse,

Eastern State Co., Robert Jones, prest. W. R. Jones, seey., Robert, J. Davis, treas., David R. Davis, mgr.

#### SLATE (CONTINUED)

LOCATION OF QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.			NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, AAMES OF OFFICERS, CARITAL STOCK, NAME OF QUARRY, KITD OF SLATE, KIND OF QUARRY, ANNUAL OUTFUT IN TORS OF 2,000 POWDR KIND OF POWER USED, MILLS, ETC, AND NAME OF QUARRY SUPERINTERNEST.			
Town	AND	COUNTY.				
Poultney	ontinu		Edwards & Williams. Cap. \$6,000. Open pit, 6,000 tons, steam.			
••		**	Emmka State Quarries Co. A. Tuttle, treas, and mgr. Emmka. Open pit, 10,000 tons; steam; mill.			
**		**	Hughes, Evans & Co. Evan M. Evans, prest., Wm. R. Hughes, seey., R. W. Haghes, treas, and supt. Hugh R. Hughes, mgr. Cap. 8tk, 82,000. Open p.t.; horse.			
**			N. A. Lifehfield, Open, 1,000 tons, horse, mill,			
		**	Lloyd & Jones, Cap. 84,500. Slope, 740 tons, steam, R. W. Jones, supt.			
**		**	N. E. Lloyd Slate Co. N. E. Lloyd, prest. N. H. Lloyd, seey, and treas — M. Roberts, mgr. and upt Cap. 850,000. Peerless. Open pit, 5,000 tons, steam, mill.			
**		**	Minogue & Green, Cap. 830,000. Evergreen, 1,600 tons, steam, mall			
		**	Parry & Jones. Open pit, steam.			
**			Valley Slate Co., R. F., Lloyd, propr., Cap. 84,000. Slope, 748 Cons., steam			
٠.			Aermont State Mining Co. W. H. Karland, prest , N. A. Latchneld seey , treas, and mgt. Cap. 850,000. Poultney. Junnel, open p.t. 5,000 forus, steam, hotse, m.". Thomas R. Maylor, supt.			
Wells Ry C	ranville	Ruthand N.Y.,213.	W. F. Rehetts. Open jet, horse.			
West Pa Ry. :		Rutland	S. C. Demson, Cap. 810,000. Slope Steam.			
			SOMPSTONE			
Loc.	THOS OF					
OR BANK, RAILWAYS, WATER ROUTES, AND SHIPLING POINT.		R ROUTES.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINL ON LAKE, ANNUAL OUTLITTS TONS OF ZOO FOUNDS, KIND OF FOWER (SED. LTC. AND NAME OF SCHEINLINDENT.			
Fows	AND	Cornty	CSDA DACA AND MARKE OF OCCUPANTAGE AND			
	idge . Bethel i		Aweed River Tale to (N.D. Parker, prest) T. Durker, seev, and treas. T. N. Bugbee, mgr. Alben, fal. Open pit, for tons, horse			
Wateryi Rv.		Latnottle nville 120	Vermont Agalite Fulverizing Co., Entland, M., H. O. Usam, prest. J. 6, 80 in inclon, seev., H. O. Capenher, treas., Damiel Fosburgh, mgr. and supt. Cap. 8tk, 850000. Tate. Open pit. Steam in olleveloping.			
		<b>:-</b> '1	ONE, MARBLE, GRANITE AND ONYX			
Luc.	V1108-01	MINE	NAME OF COMPANY OF INDIVIDUAL, Los VIDOS OF PRINCIPAL OFFICE AND SOF OFFICERS, CALLAL STOOK.			

# LOCATION OF MICE. NAME OF COMPANY OF INDIVIDUAL, Location of Phisotrophology (O. Ed.), NAMES OF OFFICERS, CALITAL STOCK, KAILWASS WATER LOCATES NAME OF WINE OF QUARKE, RIND OF STONE, RIND OF MICE OF OUR LABELIES AND LOCATION OF THE OUTPUT OUTPUT OF THE OUTPUT OF THE OUTPUT OF THE OUTPUT OUTPUT OF THE OUTPUT OF THE OUTPUT OUTPU

Tows	AND COUNTY	CHACITY, LTC., AND NAME OF MINE SCIERINIENDENT
Barre Rv. 1.		H. I. Chemey (Cap. 85,000). Granute: Open pd., Uzero forus, Thorse
**	4.5	Drew, Parkhurst & Co., Cap. 814,000. Grain fe., Open pif., ste an
**		H. A. Duffy A. Son. H. A. Duffy, prest, and the sca. Pranes $\chi$ -Sugy scalar mg. Cap. 8tk. 815,000. Barre, grainte. Open jet, steam $(6/B)$ Roby, s. pt.
		Empire Grande Co., Cup. 845,000. Open pct, 25,000 tons. strain. M. I. Conglain, supt.
		Excelsion Granife Co., Montpelag, Vt. 8, 1, Staples, prest: 0, 1 Cop land, seev and iteas: Cap Sik, 840,000 - Excelsion, granife: 1,500 tons, steam, in ?
*1		dames Gazeley, Albany, N. Y. (tap. 850,000). Granute: Open pct, 2000 four steam $(m^{(0)})$ doling wivet, supt
		Tamgdon Granife Co., Montpelier, Vt., James R. Fangdon, prost. James M. Bont O.R. G. sand mgt. Cap. 8tk, 81,000. Lingdon, gran te. Slope, open pdf. Aloctons. steam. Henry Co. gulf.n. supt.
		Mann Bios. Granite Steam,
		White & Wylie Cap. \$20,000. Granate. Open put, 4,000 tons, boose, in T.
		A D. Morse - Cap 850,000, Granute - Open pd. Loudtons house, water m. 1
		John O Routke, Cap. 810,000. Barre Standard, gramte. Open pd. horse, and and
		H N Parkhaust (cap. 85,000), Granite Steam
	**	1. L. Smith & Co., Cap. 800,000. Gran fe., Open p.t. 5000 fons, steam, Norse, mill
	**	C. P. Tayntor & Co., New York City. 239 Brondway. P. M. Layntor, mgr. and supt. Car. 815 (Section Barre, grainte) Open pit. 2500 tons, steam
		Alemont Granute to [8] C. White, prest and treas [1] R. Rash, so v. Cap [858/81/9000] C. in F. Tunnel, 5,000 tons, steam horse [mi]]
+ 6	11	H. Webster, Cap \$140,000, Webster, grander, Stope, open pit, seried toolse and in
	**	Wells, Lamson X to Cap Squoon Cran to Open p Congretions steam, he so be
**		Whitmore & Morse, Gran to Co., Montpoher, Vt., Abert, Johannort, post, J. J., Laton, treas, N. W., Frink, Ingr., Cap. 8tk, 819,000. Grainfe. Slope, open p.f., Vik, Jones, Steam, in N. Bond, S. P.

#### STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE
OR QUARRY,
RAILWAYS, MATER ROUTES
AND SHIPPING POINT.
TOWN AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL NTOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,00 Pounds, Kind of Power Used, Stone or Marble Mills, Limerlins and Capacity, Ditc., and Name of Mine Stremitenden.

Bethel . Windsor C. Dingman, Granite, Open pit, Ry, 120.

Brandon Rutland Brandon Ratian Marbie Co. James P. Uphani, prest.; H. D. Bacon, secy., treas, and mgr. Cap. stk. \$200,000. Brandon Ratian, marble. Open pit, 50,000 tons; steam; mill.

Briggs & Johnstone, T. J. Johnstone, mgr. Cap. stk. \$80,000. Brandon, marble. Open pit, 2,000 tons; steam, 2 mills. T. McGuire, supt.

" Peck & Harris, Marble, Open pit, steam, horse; mill, L. B. Peck, supt.

Brownington. Orleans. Pike Manufacturing Co., Pike Station, N. H. E. B. Pike, prest, and mgf.; F. M. Tucker, seey, and treas. Rv Barton Landing 71. Cap. 8tk, \$50,000. Pike, sandstone.

Burlington — .Chittenden G. N. Willard, 80 Shelburn st. Sandstone. Open pt, 6,000 tons. hand. H. G. Willard, supt. Ry. 120.

Calais — Washington Granite Construction Co., Montpolier, Vt., 68°, E. State st. George H. Guernsey, prest, and treas.; A. Ry, Montpolier (20, 473. — Shambo, v.-prest. Cap. stk. 85,000. Granite. Slope, open pit, 3,000 tons. N. Dubuc, supt.

Derby Orleans Lester Cleveland, Clyde River, gramite. Open pit; horse, hand,

Ky, Newport 71
 Moir Gramte Co. E. G. Miller, prest , George H. House, seey, and treas. D. W. Moir, mgr. Cap. 8tk. S100,000. Gramte. Open pt, 5,000 tons, steam. D. W. Moir, supt.

6 curtis W.lley. Cap. 83.50). Dorby, grainte. Open p.t. 1,055 tons. Irund.

Dorset Bennington J. K. Freedley & Sons, Philadelphia, Pa., 210/8, Twenty-fourth st. Manchester, marble. Open pit, 2,000 Ry. East Dorset 5s. tons, steam; mill. E. R. Harwood, supt.

Fan Haven Rutland J. W Williams & Co. Sandstone. Open pt, 250 tons, horse, Ry, 213.

Fairlee Orange Fairlee Gramte Co. Cap. 8tk. \$200,000. (Developing.) Ry. 71.

Grainteville Washington Vermont Quarty Co., Montpelher, Vt., 73 Main st. R. C. Bowers, prest, and mgr., F. L. Eaton, seey, and treas. Cap. stk. \$15,000. Grainte. Open pit, 2,000 tons; horse,

Hardwick Caledonia Brush & Curtis, Crystal Brook, granite, Slope, 500 tons, horse, mill.

" Hardwick Granite Co. Cap. \$25,000. Granite. Water, mill.

Leicester Addi on Brandon Lime & Marble Co. J. W. Buell, prest., O. C. Huntley, seey., treas, and mgr. Cap. 8tk. 855,000, Ry.West 8ahsbury 120. Lunestone. Open pit, 30,000 tons; horse, hmckila, capacity 30,000 tons.

Leicester Marble Lime Co. G. O. Swinnington, prest., J. A. Swinnington, seey.; J. C. Swinnington, treas., mgr, and supt. Cap. stk. \$12,000. Lime done. 7,000 tons. steam; limekiln, capacity 50,000 brls.

Pawlet Rutland S. J. Culver. Cap. \$10,000. Open pit, 600 tons, horse. Ry.Granville, N.A., 213.

Pittsford Rutland Wheaton Quarry Co. J. B. Hollister, mgr. Wheaton, marble. Open pit, 3,000 tons, steam, Ry, Rutland 5s, 243.

Proctor Ruffand Columbian Marble Co. Samuel Harbow, prest. R. Barrett, seey., treas, and mgr. Cap. stk. 8150,000. Ry, 120. Columbian, marble: Open pat. 55000 tons, steam, mill. M. R. Dunton, supt.

Ryegate Caledonia Ryegate Grantle Works Co. Ryegate, grantle. Open pit, 1,000 tons; water, mill. E. E. Batchelder, supt. Ry. 71.

Victory Essex C. A. Story, Cap. \$2,000. Granite. Open pit, sleam. Rv. Morrills 703

Wallingford... Ratland W. W. Kelley & Son. George W. Kelley, mgr. Marble. Open pit, 500 tons. Steam, water, mill. Thomas Ry, 78

Norton, Supt.

W DummerstonWindham George E Lyons Gramte Co. George E Lyons, prest, and mgr., George S, Dowley, seey, and treas, Cap. Ry, 126. stk, 855,000. Gramte. Open pit, 16,000 tons, steam, horse. D. J. Bailey, supt.

West Rutland Rat'and Albertson Marble Co., Worcester, Mass., Knowles Bidg., Wm. R. Albertson, prest, and seey., L. G. Biglow, trens., W. H. Skeeles, mgr. and supt. Cap 8tk, \$120,000. Esperanza, marble. Open ptt, 3,000 tons, steam, mills.

Ratland White Marble Co., Worcester, Mass., 329 Main st. C. H. Fitch, prest., C. H. Barbour, seey., A L. Barband, treas. J. W. Howe, mar. Cap. 8tk, 8500,000. Rutland White Marble Quarry, white manble. Open ptf. steam, 1ndf. M. H. Mudphy, supl.

Time Blue Marble Co., I. W. Brumton, prest., George B. Royce, seey., frens, and mgr., Cap. 8tk, \$200,000. Time Blue, marble. Open pit, 6,000 tons. 8team., mill, hinekiln, 2,000 tons. George C. Underhill, supt.

Vermont Matble Co., F. D. Proctor, prest, and mgr.; F. A. Baker, seey., E. R. Morse, treas, Cap. stk. 88,000,000 Marble, 50,000 tons, steam, water, mill.

Woodbury - Washragton Woodbury Granite Co., George O. Woodcock, prest J. C. A. Watson, seey.; W. H. Fullerton, treas, and five Hardwel, 70: hgg = Cato, 8tk, 8500,000. Granite. Open pd. 4200 tors, band = C. L. Santord, supt.

# VIRGINIA

#### COAL ANTHRACITE

LOCATION OF MINE. RATIONAL WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICER, CAPITAL STOCK, NOTE AND KIND OF MINE, ANNUAL DUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED COAL DREAKERS, WASHERS, CORO OVENS, OND NAME OF MINE SUPERINTENDENT

Coeburn Ry, 523.

Tows

Wise Pine Run Coal & Coke Co. C. H. Montgomery, prest., W. S. M tehell, seey, and treas., J. L. Rankin, mgr. and supt. Cap. 848, 820,000. Ada. Timmel, 50,000 tons, horse.

Price's Fork, Montgomery M. S. Price (vap. 82,000), Tunnel, hand, Ry, Vicars Switch, 523.

Montgomery Undtonl Ry Vicars Switch 523.

Augmin Hard Coul Co., G. Van Dorn, prest, C. C. Boykin, seev and frens. Cap. stk. 825,000. Stope, tun-nel, steam developing). W. T. Jenkins, supt.

#### COAL BITUMINOUS

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, CORE OVERS, AND NAME OF MINE SUPPRINTENDENT.

Big Stone Gap Es 405.

Wise Big Stone Gap Coal Co., New York, N. Y. J. Brondway. Hop. D. J. Turner, prest. F. H. Leonard, seey., W. F. Young, treas. J. B. Dead vell, v-prest, and in t. Cap. 848, 850,000. Drift, 5,500 tons. Assepti. Johns, supt

Virginia, Tennessee a Carolan Steela Iron to New York, N. V., "Bowling Green", John C. Haskell, prest, J. H. Wontworth, seep., D. H. Conklaning, C. ep. sth. sheeting. Laonev Creek. Tunnel, 2000, Jons, Juna. Thomas Johns, Supt. Kimode & Shissus - Cup. 85,000 - Shissus - Stope, open pet, 2, octous (horse - C. P. Kanode, supt

Blacksburg Montgomery Ry Christiansburg 523

Kanger & Schneiter - Cup sik s20,000 - Stront I satirak - Stope, 1,000 fons, Thorse - L. M. Schneiter, supt Montgomery W. C. G. My vs. Cap 8(4,000) Price Mountain. Soperframely horse steam

Cambra Ry Christiansburg 5c

Sukons & Kopes - Cap 87,000 - Bruce, Brush Mt - Stope, 2,000 tons, horse - A. L. Hawkins, supt Chesterfield Achesterfield Ware B. Gay, Boston, Masse, at Kedevict Short, according steam, be about all Jones, supt

Ry Tendleys 259 Gaston By. Lorranne 132

Henrico Wate B Gay, Boston, Massace G News 1 Sopra process stain No do not all A. Lalones, short Richmond Coa! Mining & M. matasturing Co., B. (Ipine) d. Va., 198. Ninth St., Ware B. Cav, prest, and ingr., Cap. 81,000,000. Shall, Stope, capite by assume tons. Scann. Incade t, washer. A. T. Jones, supt.

Goodiland

stoochland, Ware B. Gay, Boston, Mass cache exists, Sopris 2004 has storing collecting at J. R. Jones, supt

Ry Mandens 132. Midfothian Ry, Coal Field 622 Pocahoutas.

, chesterfield, Ware B. Gay, Boston, Wiss , 29 Keffey St., Shart, 1990 fins, steam, breaker, p.g., J. J. Jones, supt Larewell Southwest Vargan a Improvement Co. Pl. and file a, P. , R. att 19dz. H. Wickham, prest. G. et al. Establook it is seen and forus C. F. I. Brainby, mary Cap six \$17000. Posahonius. Dr. it. 7 0000 forus, forts, of color were. C. F. I. Brainby, app.

Ry. 523.

Price's Fork Montgomery James B. & H. Price. Brush Mounda in

Pulaski city

Pulaski, Bertha Zine & Maieral Co., New York, N. Y., . . We's st. B. S. Cara, peed (G. e.g. M. Heist angastatur C. H. Basher, trens. J. V. Johnston, e.g.). C. p. stf. s. 1500000. Attorna. Tunnel, issue tous strain. W. H. Case, sight

Laconia

Penk Creek Coal & Iron Maning Co., George, W., Vanthough, penst, and gen, mgr., Phil. L. Grasty, seev-and trees. Cap. 8th \$20,000. Open pet A and I dove open.

Ry. 523.

Wise Asterna Bolling Goal Co. H. S. Greene, prest, and mgr. W. I. M. Her, seev., H. B. Shaught 2, 19 as Cap 8th 85000 - Lucolina - Slope, 3, (c) for s. strain, hors — I. H. Johns, supt.

Winterpock Chesterfield L. Martin, Cap. 88,000, Raccoon, Br., of Hop. Smatt, soper, egoverous, from

#### GOLD AND SHAER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALITAL STOCK, NAME OF MINE, KINDOOF ORE SAID OF MINE, ANNUAL OFFICER IN TORS OF 2, 60 P. 6 MIS, MIND OF POWER USED, STAMP MILLS, LIC , AND NAME OF MINE SUPERINTENDENT.

Varbrough & Walters - Plotenes, silver - Open p.t.

Cambria Montgomery Ry Christiansburg 523 Richardsville Culpoper Ry Brandy Station 622

Powhatan Land & Maring Co. J. Goder on Jona Caracter at W. Song a perset of L. Godernou and J. L. Landmesser, Treason L. G. Jodinson, Inc. C. p. 83, 83, 666 (Powhata), 283–83, 67 (of map placed), faductions at some lateral caracter at most of Smiths placed.

#### GYPSUM

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,300 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Chatham Hill — Smyth 4, M. Gwyn, Cap. \$2,000. Cove, gypsum. 400 tons; horse, By Glade Spring 523.

Lamont Ry. Marson 523.

Smyth Buchanan & Co. Open pit, 200 tons; hand,

Pittsy Be-

Toslo's Ry 622

RV 622 Reed Island

Ryc Valley Ry Mat on 52%

Saltvéle – Washington Buena Vista Plaster Co. F. S. Robertson, prest, W. B. Robertson, seey., treas, and mgr. Cap. stk. \$100,000, Ry. 408 – Buena Vista, 29 psiin. Shaft, 5,000 tons; steam, water, horse; plaster mill, capacity 3,000 tons.

		$\operatorname{IRON}$
Location of Mis Railways, Water Is and Shipping Pos Town And C	AUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF DURE, KIND OF MINE, ANNUAL OUTPICT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUFERINTENDENT.
Aust ny 1 <sup>11</sup> 0 Ry, 523.	Wythe	Indian Camp Alming Co., Baltimore, Md., 2201 Drind Hill av. Theo, F. Wilcox, prest.; Julius Stern, seev, and treas. Cap. 8tk, 800,000. Indian Camp, lintonite. Slope and open pit; hand. W. R. Gallimore, 8001.
Backbone Alle Ry, 132.	ghany	Frank Lyman, Covington, Va. Cap. \$50,000. Brown hematite. Tunnel, 18,500 tons. John S. Ham, supt.
Bag Stone Gap Rv. 408, 687.	W 180	Appalachian Steel & Iron to. E. J. Bird pr., prest., M. T. Ridemour, seey, and treas . E. J. Bird, vprest, and gen. mgr. Cap. 8tk. 8430000. Red Fossil, propore. Junnel, 45,000 tons, horse, hand.
Christiansburg Montg Rv. 555.	omery	King Mining Co., Rounoke, Va. Henry King, prest, and mgr., Win, 8. Todd, seey, and treas. Cap. stk. 80,000. Kingston, red hematite—Open cut, 80,000 tons; steam, Joseph McNight, supt.
		Frank Lyman, Brooklyn, N. V., 56 Remsen st. – Brown hematite, 80,000 tons. – John S. Ham, supt.
Evaluation Car Rv. 622.	npbell	Dungee, Weimman & Co., Lynchburg, Va. (Cap. 850,000) Hewitt, barytes. Shatt, 2,500 tons; steam. James Davey, supt.
Petrol At Rv. 132	ngnsta	Aurora Maning Co. Peter McLaren, propr. Brown hematite. Tunnel, 5,000 tons; gravity. George Ritchie, supt
Poster's Fa <sup>11</sup> - 1 Ry, 52a	Wythe	Fosters Falls Mining & Manufacturing Co., M. B. Tafe, prest., John W. Robinson, seey, and treas., J. J. Baker, nigr. and supt. Foster, Hammer. Open pit. 25,000 tors, steam, water.
den Wilton Bot Ry, 1-2.	etourt	D. G. Cook, Wrightsville, Pa. T. D. Kauffelt, mgr. Wilton. Tunnel, 30,000 tons, horse; furnace, capacity 13,000 tons. R. J. Ruhl, supt.
fron Gate Affe Ry 432	ghany	Alleghany Iron Co., New York, N. V. 29 Broadway. F. C. Divinny pr., prest., F. C. Jones, mgr. Merry Hill, tossil. Thinnel, open pit, 75,000 tons, steam, furnace.
Ivanhoe Rv. 528.	// / t]te	Pennsylvania Zine & Iron Co., Roanoke, Va., Henry C., Stupes, prest.; E. Schaefer, seey, and treas.; J. H. Battlett, mgr., Cap. stk. \$200,000. Tron, zine ore (developing).
Leesville Car Ry Lynch's Str		Dinger, Weiman & Co., Lynchburg, Va., Cap. 850,000. Hamner, barytes. Shaft, 1,500 tons, steam. Albert Withers, supt.
Liberty Furnace Shena Rv. Ed uburg 42	mbah	Liberty Iron Co., Philadelphia Pa., 44; Drevel Bidg., Fath and Chestmitsts. H. H. Vard, prest.; S. L. Gillen, seey, and treas., M. M. Campbell, hgr. Cap. 8th, \$50000. Iron ore. Shart, tunnel, slope, 5,000 forms, steam, water, horse, funnece, capacity E,000 forms.
Lowmoor APC Rv. 1-2.	ghany	Lowmoor fron Co. of Virginia, A. S. Winslow, prest., H. M. Rell, seey., Edward A. Low, treas., Henry G. Merry, ingr. and supt. Cap. stk. 8500,000. Brown hematite. Shaft, tunnel, 55,000 tons; steam.
Macrow Arb Rydron Mtn. S	ahany station	Albeghany Iron Mountain Mining Co., Covington, Va. R. L. Parrish, prest., Frank Lyman, seey and trens., John S. Bain, nigr-and supt. Cap. 8tk, \$20,000. Iron Mountain, brown hematite. Open cut, 3,530 tons.
		Frank Lyman, Covington, Va. Cap. 800,000. Dolly Ann, brown hematite. Open ent. 25,000 tons. John 8, Ham, 80pt
Mation . S	smythe	Marion Jron Ore Cu., New York, X. V., 52 Broadway, P. S. Swain, prest. Charles T. Darhug, seey, and treas. John S. Apperson, mgr. Cap. 8th, 8250,000. Carrier Valley, brown hematite, manusinese. Open ent. shaft, 30,000 forms, steam.
Mineral City Rv 132	Louisa	Armmus Copper Mines Co., New York, N. Y. 71 Wall St. Sol. Hexter, prest, and treas.: Alex. Griterman, seev., Whr. H. Adams, mgr., Cap. 8th, 850,000. Armmus, pyrites. Shart, 35,000 tons, steam. Henry M. Barterott, supt.
•		Washington Pyrite Co., Washington, D. C., 9ts F. st. Eugene B. Payne, prest, Walter L. Bishop, seey, and supt., C. F. Guilling, treas, and mgr. Cap. 8tk, \$50,000. Goodwin, Hunter, pyrites. Shalt; steam observoings.

-Pittsylvania Dingee, Weinman & Co., Lynchburg, Va. (cap. \$50,000. Berger, barytes: Shatt,600 tons, steam. C. E. Woody, supt

Pat vivama, Dingee, Weimann & Co., Lynchburg, Va., Cap. 80,000. Patker, barytes. Shatt, 1,500 tons. steam. C. F. Woody, supt.

Smyth Joseph I, Scott, Spring, brown benatite, manganese. Open pit, hand,

John M. Wilhams. Sugar Hall, brown hemat fe, manganese. Open cut, hand

Pulaski Eva Mining & Manujacturing Co., Pulaski City, Va. J. F., Moore, prest., A. 8., Caltee, seey, and treas., h 525. Ellis Collier, mgr. and supt. Cap 8fk, 830,000. Tva, himonite. Open pit, 7,000 tons, steam, horse

ASD

Tows

#### LEAD AND ZINC

LOCATION OF MINE,	
RAILWAYS, WATER ROUTES	NAME OF COMPANY OR INDIV
AND SHIPPING POINT.	NAME OF MINE, KIND (

COUNTY

NAME OF COMMANY OF IMMYHOUL, TO ATHOUGH PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OUR, KIND OF MINE, ANNUAL OUTHOUT IN TORS OF JOD FOUNDS, KIND OF POWER USER, SMELLERS, ETC., AND NAME OF MINE SUBERINIPADIST.

Austraville, Ry, 523.

Austraville, Ry, 523.

Wythe Lead & Zine M.ne Co. Alaj. D. P. Graham, prest., Dr. R. W. Sinders, seey., John C. Raper, Treas., mgr, and supt. Cup. 8tk, 850,000. Wythe, lead, zine. Shatt, lumiel open pit. 5,000 tons, electricity, water, furnace.

Bertha, By. 523.
Wythe Bertha Zine & Moneral Co., New York, N. Y., 23 Waft St. (B. S. Clark, prest), George M. Holstein, andror: U.H. Bosher, treas, J. V. Jodinston, mar. (Ap. 8th. 85,500,00). Bertha, zine. Shaft, funnel, p.,000 tons; Steam, furnace. Win, H. Case, supt.

Sugar-Grove Smyth Rye Valley Mining Co., Baltimore, Md., M. E. Creighton, prest, Win. C. Carmain, seey., Louis Cassard Ry. Marjon 523 (r., treas., Hampton Woods, mgt. and supt. Cap. stk. 800,000. Lead. Slope. steam.

### MANGANESE

LOCATION OF WAY.

RAILWAYS, WATER ROLLES

AND SHIPPING PONT

OF POWER 1-81, AND COMMANY OF MINE AND COMMENT AND SHIPPING POWER 1-81, RESPECTIVELY. AND A COMMENT MAY OF MINE AND COMMENT AND COMMENT AND A COMMENT MAY OF MINE AND COMMENT AND A COMMENT MAY OF MINE AND COMMENT AND A COMMENT AND A COMMENT MAY OF MINE AND COMMENT AND A COMMENT

Houston Manes, Rotefourt: Penn Mangan so Co., Pittsborg, Pa., & I' fith av., Wallam, White ir., prest., W. R. Cathhent, seev, and fras. Nacc 526.

Marion
Ry.523.

Smyth Statevs Creek Wanganese & Iron Co., V. C. Cumman, s., prest. John S. Apperson, seev and treas., John W. Preston, mar. Cap 8th 85500. Cartier Valley, Pond. Moant, brown hemailte, manganese. Open ent. shaft.

#### VITC: V

LOCATION OF MIST.

KITHWAS WATER LOCATES
AND SHIPPING POINT

LOWER AND SHIPPING POINT

LOWER AND SHIPPING POINT

LOWER AND SHIPPING POINT

AMIL OF MINE, KIND OF PROBER I SEED, FEE AND NAME OF MINE SCHEDULINI NICKY.

OF POWER I SEED, FEE AND NAME OF MINE SCHEDULINI NICKY.

Amelia C.H.—— Amelia Richmond Alea Co., Richmond, Va., 1999 Main 81, J. L. Williams, prest J. J. W. Us, Secv. and treas RV 527—— John G. Skelton ingr. Cap. 2k. 82000. Champon. Smitt, Panis S. steam in J. J. Gorga, supt.

#### MINERAL PAINT

LOCKTON A RISK
RATHWARK WATER ROCKET

AND SHILLING TORST

OF BOTH AND SHILLING TORST

Stanleyton Page Oxford Othreeto, Now York City 244 berry st. C 8 Foote (nest) R. W. Bennett, seey and treas (C B Wardsky) berry Start, Carlest St. S. etc. Oxford Whise, we be rechect. Shatt, Currently Carleton Strain

#### PHOSPILATE

To strict of Malo Rentiles (Malo of Collective) for \(\frac{1}{2}\) and \(\frac{1}{2}\

W.Cyern H.C. Henrico Malvern H.J. Mart's Phosphate Co., New York, N. Y., for George vehicles, H.J. S. Had, prest (1) of George vehicles at 1 Haway, treas (1) Hallow, m.2. Cope sike System Martifosoliate Stone according to the Cope and Cope and

#### $\approx VLT$

LOCATION OF WINE
OR WELL
RAILWAYS, WAYER ROUTE
AND SHIPTING DOYN
AND COUNTY
TOWN AND COUNTY
DOWN AND COUNTY
TOWN AND COUNTY
TO

Saltvalle Washington Holston Salt & Plaster Co. George W. Palmer, prest, and treas, what is 1. Period seef and inc. Cap. Riv 723 Stk. \$1,000,000. Saltvelle, coarse and common. We'll factors schedule.

LOCATION OF OURREY.

RAILWAYS, WATER ROUTES

Ry, 622.

Rv. 593

LOCATION OF MINE

OR QUARRY.
RAILWAYS, WALLE ROUTES
AND SHIPPING POINT

# SLATE

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

	PING POINT.  ND COUNTY.	NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTFUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.
Arvonia Ry, 132.	Buckingham	Big Quarry Slate Co., J. R. Williams, prest.; E. R. Williams, treas., gen. mgr. and supt. Cap. stk. \$50,000. Big Quarry. Open ptt. steam.
		J. R. Williams & Co. Cap. \$200,000. Old Nicholas. Open pit, 9,500 tons, steam; mill.
Keswick Ry. 132.	Albemarle	W. B. Lupton & Co., Pittsburg, Pa., 1012 Penn av. Keswick. Open pit, steam. E. U. Bragdon, supt.

Ore Bank Buckingham J. J. Roberts & Co. Open pit, 2,000 tons; steam, Ry. Aryonia 132,

J. C. Senger. Open pit, steam, horse (developing).

Amberst Williams Bros, Slate Co., J. W. Watts, prest., Hugh Williams, secy., J. Go Williams, ngr., and supt. Cap. stk. \$40,000. Open pit, steam edeveloping a J. Gordon Payne, freas.: W. E. Snowden Ry. 132.

#### SOAPSTONE

LOCATION OF OR BANK RAILWAYS, WATER AND SHIPPING	ROUTLS,	NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OR BASK, ANNUAL OUTFUT IN TONS OF 2001 POUNDS, KIND OF POWER USED, FUT, AND NAME OF SUPERINFENDENT.	
Town AND	COUNTY	USED, ETC., AND NAME OF SUPERINTENDENT.	
Clitton Station	Fairtax	Old Dominion Stone Co., Philadelphia, Pa., 1113 Arch st. D. Z. Evans, prest, and treas.; D. Z. Evans pr.	

Dominion Stone Co., Philadelphia, Pa., 1113 Arch St. D. Z. Evans, prest, and treas.; D. Z. Evans pr., secy., I. H. Evans, mgr. Cap., 8tk., \$50,000. Old Dominion, scapstone and sandstone. Open pit, 1,000 tons; steam; milt. John B. Hart, supt.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

NAME OF MINE OR QUARRY, KIND OF STONL, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMEBILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

#### STONE, MARBLE, GRANITE AND ONYX

TOWN AND	COPN'TY.	
Buchanan Ry, 432, 523,	Botetourt	George O, Houston, Roanoke, Va. B. M. Paine, mgr. Buchanan, limestone. 30,000 tons.
**	**	John Sexton, Cap. \$5,000. Buchanan, limestone. Open pit, 25,000 tons; steam, mill. T. D. Sexton, supt.
Christiansburg Mo	onfromery	Virginia Lime & Cement Co. A. A. Phlegar, prest., M. C. Pelfon, treas, and mgr. Cap. 84k, \$10,000. Limestone. Open pif. 8,000 tors.

Churchwood Pulaska, B. S. Price & Co., Limestone, Open pit, hand, hull,

Ry, Bel spring 523, Craigsv the Augusta Coral Marble Co., Staunton, Va. R. P. Bell, mgr. Cap. stk. \$500,000. Marbledale, marble. Open pit, 500 tons, hand, steam, mill.

Fineastle Botefourt Beckley Marble Dovelopment Co. J. H. H. Feggat, prest., Turner MeDowell, seey., James Godwin, treas., Alfred Beckley, mgr. Cap. 8tk, \$300,000. Beckley, lithographic stone, marble. Steam, marble mill By, Springwood 432, (developing). L'ineastle Stone & Marble Co. (C.M. Lainstold, prest., C. H. Vanes, seey., Win, B. Sunanon, treas. Capstle \$100,000. Lathographic stone, marble. Slope, 500 tons, steam, stone and marble mills. W. Clein.

stk \$100,000. ents, supt. 8 F. Patterson, Lamestone, Open pd., hinekdn, capacity 30,000 brls

Virginia Black Marble Co., R. T. Hermion, prest., W. M. Dulany, seey; James Godwin, freas., J. W. Clarkson, mgr., Cap. stk. \$300,000. Marble. Open pit, steam, mill. W. Clement, supt. FredræksbegSpoltsylvan a Bridgewater & Forge Grande & Lumber Co. J. B. Ficklen, prest, and treas.; H. Von Schon, seey, and Rv. 601,649 meg. Cap. 8th 800,000. Grandte. Hand, electricity, mill.

Gran te Chesterfield Middendorf & Donald, Richmond, Va., 432 and 454 Virginia st. Cap. stk. \$30,000. Granite. 7,000 tons.

Ry are steam, null. Hermber. Facifics Herndon Stone Co., Washington, D. C. Geo, W. Hunter, jugit. Sandstone. Open pit developing).

Rv 622 Korah Henrico Richmond Granife Co., 301 Main St., P. O. Box 458 H. P. Binswanger, prest., John Klemm, seey. and and Ry. treas. Gap. 8tk, \$130,000. Granife. Open pd, 25,000 fons, steam, hand. P. O. Richmondi, Ry.

Alleghamy Lowmoor Iron Co. A. S. Winslow, prest., N. M. Bell, seev., Edward A. Low, treas., Henry Merry, mgt. (ap. stk., \$600.00). Low Moor, him stone. Trainel, 48000 for., steam. J. E. Williams, supt. Lowmon Ry 132.

Campbell James M. Casey, Washington and Jefferson'sts. Casey, Innestone. 40,000 tons, horse, hand, milk. W. H. Hall, sunt. Ry. 524, 132

Lynchburg Construction Co., 841 Manust. Charles I., Heald, prest., S. M. Williamson, seey. and treas., R. Taylor Gleaves, ngr. Cap. 848, 800,000. Amberst, guess and setpentine. Slope, open pit, 21,000 tons, steam, horse, mill. Robert Lackey, supt.

Manassas Prince William, John R. Tillett, P. O. Box 10t. Stonewall, sandstone. Open pit, 7,000 fons, steam, horse, hand, Ry 622.

Chesterfield Standard Granite Co., Richmond, Va., 2310 W Cary St., James Netherwood, prest., H. F. Smith, treas, mgr., and supt. Cap. 8tk, \$15,000. Standard, granite. Open pit, 3,000 tons, steam. Manchester

May on Ry 525 Smyth Marion Muning & Marble Co., Richmond, Va., care City Bank. John S. Apperson, prest; Edwin A. Palmer, seev. and Greas. Cap. stk. \$10,000 - Killinger, Scott and 2 others. Open pit (developing).

#### THE MINING DIRECTORY—MINES.

#### STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

Location of Mine or Quarry, Railways, Water Routes and Shipping Point. AND COUNTY. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR OCARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TONS OF 2000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

(P.O.Batetourt (Ry.523.) Petershurg

Botefourt Roanoke Black Marble Co., Roanoke City, Va., Terry Bldg. B. L. Greuler, prest., H. H. Greuler, seey., art (Ry.523.) Wim. F. Winch, treas., S. J. Reed, mgr. Cap. stk. \$100,000. Marble. Open pit. steam -developing. Dinwiddie Dr. D. W. Lassiter, 13 Tablest. East View, gramt's. Slope; hand.

Ry. 528, 575, 628.

Petersburg Granite Quarrying Co., New York, N. Y., 38 Wallist, Win, E. Dibbell, prest., Egerton Brown, seey.; J. O. Bowdish, treas. Cap. 8tk, 875,000. Granite. Steam, mill.

Ry, Christiansburg 523.

Price's Forks Montgomery Stewart Price. Millstone. Open pit, 150 tons, hand

M. S. Price & Bro. Cap. 81,000. Millstone. Open pit, 50 tons, hand. Pulaski City Ry. 523

"Pulaski Miller & Warden, Cap. 820,000. Peak Creek, sandstone. Open cut, hand, steam. J. K. Warden, supt.

Rocky Point Ry, 132.

Bofetourf, McCormack Granite Co., E. W. Stevens, gen. mgr. Met ormack, Unestone. Open pit, 60,000 tons, steam, mill. Augusta Lithomar Milling Co., Alexandria, Va. A. G. Uhler, prest. A. M. Gorman, seey, and gen. ingr., George Wise, treas. Cap. 8tk, \$100,000. Lithographic stone, marble, ocher, slate. Water, steam, electricity.

Waynesboro Ry. 182, 523.

horse Culpeper L. D. Winston. Grainte, sandstone.

Winston Ry. 589

Tows

#### SULPHUR

Locymos or Miss. RAILWAYS, WATER GOUTES AND SHIPPING POINT.

AND COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTFULT IN TOSS OF 2,00 POUNDS, KIND OF POWER USED, MILES, ETC., AND NAME OF MINE SUPERINTENDENT.

Sulphin Mines Ry, 132.

Alonisa Sulphur Mines Co. of Virginia, Richmond, Va. Win G. Crenshaw, prest., Win, G. Crenshaw, i., v.-prest. S. D. Crenshaw, seey, and treas. J. C. Petty, ingt., and supl. Cap. stk. 800,000. Pyrites. Shatt steam

#### TIN

Location of Misi RAILWAYS, WALLS ROTTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, EDUATION OF PRINCIPAL OFFICE NAMES OF OFFICERS, CARTAG STOR NAME OF MINE, KIND OF CHIE, KIND OF MINE, ANNUAL OF FIFTH TORS OF 2000 POUNDS, KIND E POWER USEL SMELLERS FL., AND NAME OF MINE STREETINGSBENDENT

AND COLNEY Loses

Berty's By Boyce Sea

Carke, Augma, fan Manag & Sne't ng Coll, Wachester, Val., Win, H. S. C., prest is Claubs, I. Ne'son, solv, and trens. J. M. Pascoe, mgr., and supt., Cap. stk, Storoger, Scott, open pet, hand, developing.

# WASHINGTON

#### COAL-BITUMINOUS

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY.

Black Diamond Black River

Ry. Black River Junefron 563. Whateom Blue Canyon

New Whatcom 56.

Bucoda Rv. 529. Birmett

Carbonado

Ry. Donty 529. Castle Rock

Ry. 529. Cokedate: O Frankling

Ry. 529.

Franklin Ry. 179.

Gilman P. O. Olneya Ry. 665,

P.O. and Ry. Sedio258, New Castle

Viblock Maie P.O. Snorphalmac, Ry.

Pittsbing Pic Rv 529

Rocky Ridge Whateon. Whateon P O Silve Rv 56, 665

W. Seson

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OPTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

King Black Diamond Coal Mining Co., San Francisco, Cal., 450 Main St. P. B. Cornwall, prest, and mgr. Geo. Stancke, seey., Iank of California, trens. Gap. 8tk. \$5,000,000. Black Diamond. Slope, 132,000 tons; stem and electricity. Morgan Morgani, supt.

King Black River Coal & Transportation Co., Scattle, Wash., cor, Commercial and Main sts. L. M. Gunest, N. H. Martin, seey, and trens.; W. B. Spencer, ingr. Cap. stk. \$50,000. Black River, hand obeveloping. Adm. Revse, spin. M. Garrison,

Blue Canyon Coal Mining Co., New Whateom, Wash. M. E. Downs, prest., John T. Mirphy, v.-prest.; J. H. Elocdel, seey. Cap. 8tk. \$500,000. Blue Canyon. Slope; steam; washer (developing). Win, J. Watkins, supt.

"Thurston North-Western Coal & Transportation Co., Portland, Orc. Samuel Coulter, prest.; W. W. I. seeg., C.W. Coulter, nigr. Cap. sik. \$250,000. Bucoda. Slope, 12,000 tons; steam and horse, banay, supp. Pierce South Prairie Coal Co., San Francisco, Cal., 308 California St. John M. Whitworth, prest.; T. H. Henderson, seey, and freas., C. H.Burnett, ingr. and supt. Cap. 8th, \$200,000. South Prairie. Slope, 56,000 tons steam.

Paerce Carbon Hill Coal Co., San Francisco, Cal., cor. Fourth and Townsend sts. Charles F. Crocker, prest.: Frank's Donty, seey, and treas. Cap. 84k, \$200,000. Carbon Hill. Tunnels, 173,000 tons; steam and water, wisher. D. F. Davies, supr.

Cowlitz Castle Rock Mining Co., Portland, Orc., 66 N, Second St. L. Nicolai, prest.; J. A. Newell, secy. and supt., A. W. Ocobock, treas. Castle Rock. Tunnel; steam.

King Green River Coal & Coke Co., Scattle, Wash., Burke Bidg. John H. Bryant, prest., John Craig, sery.; A.
 S. Dunham, trens., Wesley Wilson, mgr. Cap. stk. \$1,000,000.
 Green River. Slope, steam; breaker, swisher, 200 coke overs under construction (developing). Geo. A. Brooke, suppl.

King Pacific Investment Co., San Francisco, Caf., 316 California St. Charles McCullouch, prest., Alexander H. Small, Seey., Robert Young, mgr. Durham. Tunnels, steam and horse.

King Oregon Improvement Co., Scattle, Wash., 30t Barke Bidg. W. H. Starbuck, prest., W. T. Wallace, see C. B. Tedeastle, treas. C. J. Smith, mgr. Franklin. Slope, 120,000 tons, steam, breaker. T. King Seattle Coal & Iron Co., Seattle, Wash., Burke Bildg., John H. Bryant, prest., John Craig, seey.; A. S., 665. Dunham, Reas., Wesley Wilson, mgr., Cap. 8th, \$5,000,000. Gilman, Slope and tunnels, B2,000 tons,

Dunham, treas... Wesley W steam. J. L. Parker, supt. Skagit Coal & Transportation Co., Fairhaven, Wash. C. H. Larrabec, prest. Pairhaven. Tunnel, 6,000 tons, steam, coke oven. R. Jennings, supt.

King Oregon Improvement Co., Senttle, Wash., 301 Burke Bidg. W. H. Starbuck, prest., W. T. Wallace, see C. B. Tedeastle, treas., C. J. Smith, mgr., Coal Creek. Slope, 200,000 tons, steam, breaker. T. Corey, supt.

King Smognalime Coal & Coke Co., Tacoma, Wash., 667 Fidelity Bldg. A. M. Camion, prest, and treass., C. B. Niblock, Seey, and nigr. Cap. 8tk, 81,000,000. Niblock. Taimel, 139,000 tons: gravity, washer arrived stephenson, supp.

King, Green River Coal & Coke Co., Scattle, Wash., Burke Bldg., J. H. Bryant, prest., A. S. Dunham, v.-prest.; J. (Tang. Seev., J. E. Cov. freas. W. Wilson, mgr., Cap. 84k, \$1,000,000. Green River. Shaft and slope; steam developing. W. J. P. Williams, single.

Acme Coal Co., Facoma, Wash., C. B. Nibbek, prest., A. L. Horner, v. prest., F. M. Wade, freas., S. J. Maxwell, seey., Cap. 84k, 845,000. Acme., Timnel, 50,000 tons., T. W. De Lane, supt. Rocky Radge Coal Co., Whateom, Wash, Bellingham Hotel, H. V. Moore, prest and mgr., C. C. Hisson, seey. Pingel Sound Loan & Trust Co., treas. Cap. stk, 850,000. Rocky Ridge. Slope, steam (developing). R. Blackwell, supt.

Pierce Connellsville Coal & Coke Co., eur. Twenty-third and Adams. C. W. Griggs, prest., Geo. Browne, sery.; A. G. Foster, frens. Cap. 3th, \$500,000. Connellsville (developing).

Pacice Theoma Coal Co. Theoma, Wash., Hotel Pite, Room t. A. C. Smith, prest., Geo. O. Kelly, seey. C. stb. shoomad. Theoma, Slope, 60,000 Ions, steam, breaker, washer, 30 coke ovens, 3,000 Ions, M. Kelly, supt.

Wilkeson Coal & Coke Co., Tacoma, Wash., Ewenty-third and Adams 848. Henry Hewitt, prest.; P. D. Notton, seey, and treas., Hugh White, nugr. Cap. 848, \$250,000. Nos. 1, 2, 3 and 4. Tunnel, 150,000 tons., 5 team breaker, washer, 55 coke ovens. P C. Forrester, supr

### GOLD AND SHIVER

RAILWAYS, WATER LOUTES AND SHIPPING POINT.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, NAME OF MINE, KIND OF ORE KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 FOUNDS, KIND O: POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Skagit Ruby & State Creek Pager Mining Co. y & State Creek Paser Mining Co., E. S. Dodge, prest., Benjamin Goodwin, secy., Geo. W. Randall, freas - M. A. Tullo k, mgr. and supt. Cap. stk. 8250,000. Gold. Placer; water. Ry, and

Suchonish Stillaquanush Alming Co., John Weiersmiller, prest., Chas., Wellman, seey., Aic. Thorp., treas., John Bealmer, mgi., Cap. 8tk, 82,007,000. Congo and Domingo, gold and silver. Junnel. retractory developing.

Otting Ry, 529

GOLD AND SHLVER CONTINUED				
LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY	NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.			
Bossburg Stevens Ry.Young America695.	Piftwood & Burbridge dessees). Young America and Bonanza, silver and lead. Tunnel, 65,000 tons, refractory, hand.			
	Cascade Range Mining Co., Waterville, Wash. A. E. Case, ptest., R. W. Starr, seey., A. I. Greene, treas. A. H. Murdock, mgr. Cap. stk. 81,500,000. Tenricen claims, gold and silver. Hand adeveloping. W. R. Robbison, supt.			
	Coons, Shaner & Thomson, Spokane, Wash., 267 Rookery. Eagle and Furcka, silver and lead. Shaft, free and retractory, steam. A R. Thomson, supt			
Cle Elum Ry, 529	Univer Gold Mining Co., Scattle, Wash., 549, 520, 521 Balley Bidg. Henry Bash, prest. Edwin Hall. Warner, seey. Ezia W. Clark, freas., Joseph L. Warner, ingr., and sing. Cap. 8th, 8200,000. Univer, gold. Tunnel, tree and retractory, steam, us stamps and concentration.			
Colville Stevens	<ul> <li>Dead Wednene Mining Co., Spokane, Wash. George Turner, prest. I. N. Peyton, seey., treas, and supt. Cap. 8th 82500,000. Dead Wednene, salve and lead. Shatt and tunnel, tree and retractory, steam.</li> </ul>			
	Old Dominion Mining Co., Spokane, Wash. W. R. Newport, prest, and nigr., S. Oppenheimer, seey., E. J. Dver, treas. Cap. stx, 840,000. Old Dominion, silver, and lead. Sharts and lunnels, 10,000 tons, tree, steam., J. Hardy, supe			
	Bustler Manag Co., Spokane, Wash. H. I., Houghton, prest., 4, N. Peylon, seey, and treas. Cap. 8th. 82(3),000. Bustler, silver. Shaft, retractory.			
Concountly Okanogan Ry, 529.	Bridgeport Mening & Milling Co., Bridgeport, Conn., cor. Gold and Moddle sts.—Frank I., Kodgers, prest., E. F. Wheeler, seev, and treas.—E. F. Wheeler, mg., and supt. Cap. stk. source. Thompson, Nevada, Montana and Colombia, gold and silver.—Shall and brined tree—hand and howse.			
Conconully. Okanogan Ry, Coulee City 520 (100 miles).	A.C. Burnham Summit, gold and salver. Learned tree band			
	Washington Central Mining & Reduction Co., L. Hwin, Baldwan, prest., H. A. Wilder, seev., Treas., and uigt., Cap. 8tk. 8500,00., Gold K. ng., Keno, Monte Cristo and E., Botaniaa, gold, 8ilver, copper Tuninel, 0,000 for settactory water to stamps. Theo. Patterson, suppl.			
Ellensburg Kittitass Ry, 529.	Columbia Gold Witing Co., cot. Pontth and Poul Sts. W. R. Marias, prest and treas. L. C. Pope, seev. M. S. Smith, mgr Cap. stk. Smoothoo. Dakbar, gold. Placer, water developing.			
Galena . Sudiomish Ry, 293.	Western Washington Maning & Maning at United burne (c.e., Lacoma, Wash), 1004 Peventh st. 41, G. Brown, prest , M. H. Nichols, seey, and treas. C. A. Brown, mgt and super. Lap. stky, \$100,000. Buteno, Lodie, gold, silver and copper. Tunnel, retractory water developing.			
Golden Okanogan Ry, Wilbur 529	Wamment Lake Willing & Win ing Co. Spokane, Wash. absorb Hanacer, prest. N. D. Hanamer, seev. H. W. Holly, treas. J. W. Wegner, ingra and supt. Cap. sike. Spokane, 38pokane, and others, gold and silver, butterfully, they steam, to strains, 'concentration.'			
Kettle Falls. Stevens Ry, 695 (3) (mdes).	Siver Queen Maning Co., John F. Sherwood, prest and sapt. James, J. Badd, seey. C. H. Nelson, treas. Cap. 8th 845,000. Siver Queen, silver and lead. Shaffs, tree. Land.			
Liberty Kittitass Ry I ffensburg 529.	Donaline X Lairfield Mining X Sm. Peng Co., Ser Po. Wash. Rivoy Roy. John Torrico, prest. Damel L. Cross, seev. and Treas. W. San Donaline (mg.) and start cap silk schoron. Matron, Man Steel, old Gold and Colless, gold. Turnel, place, 1 reconderductory steam.			
Loomis Okanogan Ry Coulee City 529 420 miles)	Cowherd A Western, Transfer Group, add and siver a non-long tree more trackers steem in the			
	Fingure Mining Co., Tacoma Wash, Law Railroad st. J. D. Carghtan, prest. P. A. Railson, seey., Merchant's Bank, treas. Cap. P. Curly, m.J. an. sc.pt. Car. skl. 81,000,000. [Impact Group, 20dd.] Shafts and tunnels tree. electrocity.			
	Pretett Gold Mining & Milling Co., Lacoma, Wash, Fide ity Fluz, John F. Plummer, prest. Leonard. Howarth, see: and treas. F. W. Dunin, may. Cap. sth. spacegoon. Black Beat and War Eagle, gold. Shaft, Fourt tons, Free, water: stamp fm. John Ross it, s. pt.			
	Gold Finch Mining Co., Scattle, Wash. Fred I. Sowle, prest J. S. Schultz, seev and freds. W. B. Moote, ingrand supple cap sikes some coold not a co., Shatt and finned free electrony			
	Keystone Mining & Milling Co., Spokane, Wash , eet Rayers le and Howard sis. P. I. Warray, prest W.H. White, seey. A. C. Libby, from Cape with Signergoo. Daye derito and Keystone, gold and silver shaft tree, retractory, hand. W. Pann Harris, sappr			
Loop Loop Okanogan Ry, Wilbur 520	First Thought Silver Mining Co., Portland, Ore 75 - More sonst - Jonathan Bourne it , prest - Herbert I - Thompson, seey - Portland Savings Bank, trens - Cap sile stoposoco, Tirst Thought, silver - Tunnels writer			
Metallum Katrass Ry Ellensburg and	Gold Nugget Muning Co., Port Lowisend, Wash. Wifferin Payter, post. Walter Recent Seev and treas. B.C. Pileher, nigreand supt. Cap sile strong. Black, gold. Open p.t., placet. granet.			
	Swank Creek Mining Co., Jacona. Wasa, H. Thitte affect W. R. Andrees, prest and regr. W. W. Hartley, seey. Cap 8th 86000. Gold. Placet water to a R. Seda, 8 pt. st. and regr.			
Marous Stevens Ry, Bonanza 1995	Consolidated Bonanza Mining & Snedian, Co. Spelane. Wash. R. S. Orkley, prest, and ingl. C. H. Vrinstrong, seek and supt. S. Amsket freas. Cap sik sliggonor. Bonan a and bother camis silver and bond. Open petroid shirt, groot one fit. So one contact or all class.			
Monte Cristo Sudjoinish No P. O. Ry 77c	Monte Cristo Mining Co., Scattle, Wash, 617 and 618 Ra lev Hbd., (Jos. L.) colley, prest, and treas. Class. T. Rand, seey., Win C. Burlet, mgc., capestle stategare, Theorem ins. sever and bear. Tunners, re-traction water and check next, developing.			
	Pride of the Mountains Mining Co. Scattle, Wash , ets. Bailey 19d2 (Jos. 1) Colley prest and freas Class T. Kand, seev., Win C. Entley, rags, and supt. Cap. sik, Sprosnover, Pr. Isologia, Monarders, 1986. Galoricand Public of the Woods, 8 Section fload. Turned actuatory (1997) (Scommander).			

Rainy Mining Co., Cleveland, Olno, Perry Payne 19a2 (dos. 1) Codey, prest (4) C. Henry, serv. A. I. Deckerman, Items. Chas, F. Raind, in at (cap sik scorcero). Rainy gold are served. Jamies stom and water. Win C. Raffer, Sayle.

Partice Sultan Mining & Prospecting Co., Sa'tan, gold and se'ver. Refered by developing. Many in Okar ogan

Town

Porter

#### GOLD AND SHAVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES	NAME OF COMPANY OR INDIVIDUAL NAME OF WINDOWS WIND PARTY OF THE PROPERTY OF TH
AND SHIPPING POINT.	NAME OF MINE, KIND OF

COUNTY.

OUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND Port Angeles Ry, 529, 552,

.Clallam Hurricane Hill Mining Co. F. G. Jones, prest, and supt.; L. R. Cole, seey.; J. E. Becker, treas.; J. C. Burk, mgr. Cap. stk. \$50,000. Great Western, silver and copper. Shaft and tunnel: free (developing).

Ry., 529. Ruby

Chehalis Porter Creek Consolidated Mining Co. S. S. Ford, prest.; S. R. Ford, seev.; J. W. Ray, treas.; Henry Marshall, mgr. and supt. Cap. stk. \$1,000,000. Porter Creek, gold and silver. Open pit; refractory; water.

Silverton Ry. 529

oy Okanogan Ruby Placer Muning Co., Anacortes, Wash. G. K. Hlatt, prest.; J. M. Moore, seey., treas, and mgr. Cap. Ry, Sank, 656-23 (miles). stk. \$200,000. Anacortes and Dandy, gold. Placer, water. McCallough, supt. Snohomish Hall Molique & Co. Anacortes, silver. Tunnel.

Snohomish

Monte Cristo Development Co., Everett, Wash., Pacific av. W. F. Brown, prest, and mgr.: F. O. Cuc, seey., G. I. Brown, treas. Cap. stk. \$50,000. Eighteen claims, gold and silver (developing). R. M. Barnett, supt.

Spoottaling Ry, 665 (16 miles).

Snohomish Gold Eagle Mining & Milling Co., Tacoma, Wash. Stephen Holbrook, prest.; W. E. Hacker, seey, and trens., Win. J. Caplin, mgr., and supt. Cap. stk. \$3,000,000. Seven chains, silver. Shaft, tunnel and slope; free, water developings. King Silver King Mining Co., Seattle, Wash., Sullivan Bidg., Room 54. J. S. McLain, prest, and mgr.; Oliver F. Briggs, seey, and treas. Cap. sik. \$500,000. Silver King, gold, silver and lead. Shaft and tunnel; free; water and electricity (developing).

#### TRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE. KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

COUNTY. Town AND

Stevens Capital Mining Co., Seattle, Wash., P. O. Boy 865. J. E. Porter, prest.: S. M. Allen, seey.; J. E. Houghton, treas, and supt. Cap. stk. \$390,000. Capital, limonife. Tunnel and plt, 6,000 tons. Valley Rv. 695.

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

COUNTY. AND Town

Whatcom Roeder & Roth, New Whatcom, Wash., Roth Block, eor. Thirteenth and G sts. Cap. \$100,000. Chuckanut, sandstone. Open pit, 35,000 tons; steam, mill. Fred. Harksell, supt. Chuckanut Hy., 552. Colville.

Ry. 695. Sherwood

Stevens, Columbia Marble & Granife Co., Spokane, Wash., Hyde, Block., Samuel, Douglas, presf., J. W. Douglas, sery., Cap., 8tk, \$500,000. [Marble edeveloping]. King Smith & Green, Cap. \$20,000. Sherwood City, sandstone. Open pit, steam and water, mill. Wells Green, supt.

Ry. 695 Tenno Ry. 529.

Thurston Eureka Sand Stone Co., Tacoma, Wash., cor, Thirteenth st. and Paetife av. Arthur McMullen, prest, and ugr., F. M. Talbot, seey, and treas. Eureka, sandstone. Open ptt, 48,000 tons, steam; mill.

Ry. 605.

Stevens Washington Decorative Marble Co., Spokane, Wash. John Rigby, prest, mgr. and supt. Thos. H. Cav-anaugh, seey.; Jacob Hoover, freas. Cap. stk. \$250,000. Ophir, onyx, marble and gramte. Open pit. steam

Wenateliee Ry. Ellensburg 529. Whatcom

Kittitass J. C. Steele (local), Tacoma, Wash., 202 Chamber of Commerce. Washington, onyx. Open pit. Whatcom, N. C. Hadley. Schome, sandstone. Open pit, hand.

Willeson Rv. 529

Pierce Mitchell & Smith, Tacoma, Wash. 4340 Pacific av. Cap. \$20,000. Wilkeson, sandstone. Open pit. 30,000 tons, band. Joseph T. Witchell, supt.

# WEST VIRGINIA

#### BROMYRITE

LOCATION OF MINE,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.
TOWN AND COUNTY.

Edgewater RV, Ld.

Elk Garden By, 790,

I likhorn Rv. 523 NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, MANE OF MINE, KIND OF ORE, KIND OF MINE, AND ALL OF FECT IN TOSS OF 2,000 DOWNS, KIND OF POWER USED, NAME MILES, ETC., AND NAME OF MINE SUFFERINTENDENT.

Malden . Ry. 132.	Kanawha	l John M. Collais, Charleston, W. Va. Bromine, tx tons, chloride of calcium, fortons, steam.
		COAL BITUMINOUS
LOCATION O RAILWAYS, WAT AND SHIPPIN TOWN AND	ER ROUTES 6 POINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name and Rind of Mine, annual Outfet in Tons of 200 Points, Kind of Power Used, Coal Breakers, Washers, Core Ovens, and Name of Mine Superintendent.
Acme Ry, Coallan	Kanawha	Stevens Coal Co. F. L. Garrison, mgr. Cap. 815000). Acme, Keystone, Drifts, 20,000 (ons. F. 1 Stevens, 800).
Algoma Ry, Powhat	McDowell	Arlington Coal & Coke Co., Lynchburg, Va. T. W. Gillinn, prest. J. R. Gillion, seev. and treas., James Johnson, nigr. Cap. 8th, 850,000. Developing.
Austen Ry, 42.	Preston	Austen Coal & Coke Co. Charles dessop, mgr. Austen. Open pil, horse, hand.
Bancroft Ry. 344.	Putnam	Kanawha(X) Eake (Eric Coal Co.) (Cap. 840,000). (Bancrott.) Dritt, 26,000 (rons), horse (M. P. Francis, supt.)
Caperton Ry. 132.	Favette	New River Coke Co., Stannfon, Va., P. O. Boxas, M. Erskine Miller, prest (from and mgr., Cap stk., 830000, New River, Tunnel, 100,000 forms, hand. (Goeoke ovens, capacity 50,000 forms). J. H. Ferguson, supt.
Charenout Ry, 32.	Payette	Beechwood Coil & Coke Co. J. L. Beury, prest., E. W. Bridge, seey., John D. Campbell, treas., C. C. Beury, and C. Cap, 8tk., 845000. Recchrood, Keystone. Open pd. 160,000 fors, horse of roke ovens, capacity (2000) fors. Win (Burner, appl.).
Clarksburg Ry, 42, 465,	Harrison soo	Central West Augman Coal & Coke Co., M. L. Hutchinson, prest., M. D. Post, seey, and treas. Tra. C. Post, mgr., Cap. 8tk, 850,000. Drift, sheath old veloping.
		Despited Gas Coal Co., Ballamore, Md., H.S. St. Charles St., T. Maver, prest, A. H. Heet, seey., S. S. Cattoff, treas. Cap est. Science, Despited No. 2. Tunnel, E., 1900 tons. Incise, hand, 18 coke ovens, capacity from tons. Mariel 1888, suppl.
Clements (P.O.Scottd	Mation late Rv 42	Hutchinson Bros, & Huntod () ap. 86,000. Linden   Deat, forestons, horse, breake ovens, capacity 25,000 tons   D. B. Brooks, supt
**		Pool Coaf & Coke Co., Patisburg, Pa., 9a Fourth av., John Robenstoen, prest., C. W. Pool, seev., treas and ingr., Cap. 8th, 850,000. Coments. Drift, steam, 50 coke overs. developing. D. R. Brooks, singl.
Clatton Hy. 500, 504	Mason	Chiton Salt & Bromme Co., George Cliffon, propr. Cation., Funnel, basectons, horse., Thomas, Maddleton, supt.
		Hyself & Edwards, Mobileport, Ohio. Sterling Open pit, 4500 tons, hand. W. E. Edwards, supt.
Confburg Ry, 139, 342	Kanawha	Robinson to al Co., John A. Robinson, prest. Neil Robinson, seev, and treas., Arthur Robinson, mgr., Cap 8tk 850,000. Coaffurg. Tunnel, horse
Topers Ry, 525.	Moreon	Mill Creek Coul & Coke Co. Win, Benry, prest. 1. H. Coopet, Seey. John Cooper, trens, and mgr., Cap., 845, 859,000, Stiffing. Tunnel, 275300 fons, horse, steam. For coke ovens, capacity 88,750 fons. Bryan Demon, supt.
Cormth Ry 12	Preston	Oakland Coal & Coke Co., Baltunote, Md., 21/8, Gay St., Jacob H., Laylor, ptest. 47/40. Hoffman, seev. Charles J. Laylor, Breas. Robert J. Anderson, nigr. and supt. Cap. 8tk (800,000). Oakland. Junnell, hopeochous, horses (senio, Scoole overts) capacity (2500 to 10).
		Snowy Creek CodX Coke Co., Wm. I., Gales, prest J. G. T., Planniner, seev., George H., Sharp, Itelas., David Williamson, mgc., Crp. 8tk, 81,000,000., Stope: steam, developing
Crown H 1 By 131	Ivaniawha	Belmont Coal Co., Cap 825,000. Belmont. Timnel, 70,000 tons, horse, steam [1, 1]. Lindleton, supt.
		G. W. Champ. Cap. 820,000. Champ on Junnel, horse. John Earrister, supt.
		New York & West Virgin a coal & Iron Co., New York, N. Y., 18, Broadway. Hoseph Haves, prest a John S. Lockwood, seey, and Ireas., Brewet Sin th, mgr, and supt. Cap 8tk, \$500.000. Crown H ? Tun help, 2000-010 ps., Irons.
Dunfow Ry for ter-		Dunlow Coal Co. Frederick J. Aniweg, prest., Edward C. Collins, seey. Edward J. Collins, treas, and gen ingr., Cap. stk. Soloco. Open pit. horse, developing., Thomas Nichol, supt.
Taghe Ry, I reder	Fayette iek 182.	Wy,inf Coul & Coke Co. Win. Wy,anf, prest., Thomas Wharton seev. Cap. sth. storoom. Lag. (11) a. mond. Open pit, 125,000 tons. Thouse, 54 coke ovens, capacity 24,000 tons.
Fastbank Ry, 3420, to	Kanawha 2.	Fastbank Coal & Coke Co. Stuart M. Buck, prest [G. R. Buck, seev. and freas [J. W. Wyson, 1929] and supt. Lastbank. Tunnel, 2000 clous. In sec. 19 coke overs, capacity 2000 clous.

Payette Carver Bros. Cap \$150,000. Edgewater. Open pit, 100,000 tons, gravity. Enoch Carver supt.

Mineral, West Virginia Central & Patisburg Railway Co., Baltamore, Md. (H. G. Days, nest). J. W. I. Moore, seek and treas. T. B. Bayis, figr. (Elk Garden and & others). Open pit (accosed tons) stream, horse (A. C. Raylangs, suppl.).

McDow H. Crozer coal & coke co., I. pland, Pa. Samuel A, Crozer, prest, I trans & P. Westor, see v. I deciral cross treas. Wm. J. Harris, mgt. Tunnel, steam, 250 coke ovens.

Barttord City

LOCATION OF MINE.

# THE MINING DIRECTORY—MINES. | WEST VIRGINIA

#### COAL-BITUMINOUS (CONTINUED)

RAILWAYS, WATER ROUTES AND SHIPPING POINT.			NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COSE OVENS, AND NAME OF MINE SUPERINTENDENT.
Town	AND	COUNTY	COMPRESENT TRANSLING COMPONENCY AND PRACE OF MINE OFFERNAL ENDERG.
Elmo Rv. t	32.	Fayette	W. A. Burke Coal Co., Staunton, Va. W. A. Burke, mgr. Elmo. Tunnel, 40,000 tons; horse. Ashby Burke, supt.
Fairmon Ry, 4:	t 2, 465.	Marion	Central Gas, Coal & Coke Mining Co. O. Jackson, propr. Cap. \$25,000. Central. Open pit, 20,000 tons, horse; 16 coke ovens, capacity 7,000 tons. J. Sanas Jackson, supt.
			the tenths that the bound of Material and tenth the bound of the bound

Gaston Gas Coal Co James O. Watson, prest, and mgr., John A. Boyce, seey, and treas. Cap. stk. \$100, 000. Gaston, Drift, 135,000 tons 23,450 tons. S. L. Watson, supt. Drift, 135,000 tons, steam, horse, electricity, breaker, washer, 60 coke ovens, capacity Newburg Orrell Coal & Coke Co., Baltimore, Md., 33 8, Gay st. J. H. Lee, prest. Palatine, Aurora, Open pit, 83,900 tons, horse. Morgani D. Orr, supt.

West Fairmont Coal & Coke Co. Charles Mackall, prest., George De Bolt, secy.; J. E. Watson, treas, and mgr. West Fairmont. Shaft, 150,000 tons, steam; 36 coke ovens, capacity 8,000 tons. David Evans,

Marion Puttsburgh Gas, Coal & Coke Co., Allegheny, Pa., 125 Sandusky st., John D. Davis, prest.; W. E. McMurray, seey., W. E. Ross, treas. Cap. stk. 8250,000. Farmington. Shaft. Farmington Rv. 42 Harrison West Fork Coal & Coke Co. R. L. Martin, prest., Paul Farnum, seey, and treas. Cap. stk. \$25,000. West burge Ry. — Fork. Drift, 90,000 tons. horse; 30 coke ovens, capacity 25,000 tons. W. C. Reynolds, supt. Farnum P. O. Clarksburg (Ry.

465. Fire Creck Fayette Fire Creek Coal & Coke Co. M. Erskine Miller, prest, seey, and treas., G. C. H. Caperton, mgr. and supt. Cap. stk. \$100,000. Fire Creek. Tannel, 100,000 tons, 28 coke ovens, capacity 36,000 tons.

Rv. 132. Wayne Coaldale Mining & Manufacturing Co. Ed. Coates, prest.; W. Henning, seey.; H. J. Tondy, treas, and ingi—cap. stk. \$25,000. Coaldale. Open pit, horse (developing). L. T. Cook, supt. Fleming Rv. 523.

Mercer Booth-Bowen Goal & Coke Co. Win, Booth, prest., J. P. Bowen, v.-prest, and supt., Harry Bowen, seey Freeman's James Booth, treas, and mgr. Cap. 8tk, 875,000. Booth-Bowen, coke ovens, 12,203 tons coke. Ry. 523. Tunnel, 198,174 tons; horse, steam; 91

Glen Falls . Harrison P O Clarksburg (Ry. Harrison, Glen Falls Coal & Coke Co., Edmund Morgan, prest., E. F. Moore, seey., Cap. 8tk, \$150,000, Glen Falls, 460 Goodwill Mercer Louisville Coal & Coke Co., R. T. Watts, prest., Justus Collins, seev., treas, and mgr. Cap. stk. 860,000.
25. Louisville. Drift, 10,000 tons, steam, horse, 75 coke ovens, capacity 27,000 tons. Win. Gamplin, supt.

Ry. Brantwell 523. Mason Juliling Coal Co. Win, Juliling, prest, and mgr., Oswald Juliling, seey, and treas. Cap.stk. \$25,000, California. Slope, 40,000 tons; steam. Richard Turnbull, supt. Ry. 533, 534

Liverpool Salt & Coal Co. A. E. Smith, prest, and treas., Charles Clifton, seey, and mgr. Cap. stk. \$15,000. Tunnel, 15,000 tons: horse. Harry Hart, supt

McDowell Elk Ridge Coal & Coke Co. J. H. Bramwell, prest., C. W. Semnan, seey, and treas.; R. R. Goodrich, mgr. Ry. Elkhorn 523. Cap. stk. 850,000 (developing).

McDowell Shawner Coal & Coke Co., Braniwell, W. Va. A. A. Welch, prest., J. C. Freeman, seey, and treas., W. R. Graham, hgr. Cap. stk. \$00,000 - Tunnel, steam - W. T. S. Jones, supt. Landgraft Rv. 523. McDowell

Alchowell Eureka Coal & Coke Co. R. H. T. Adams, prest., Allen W. Talley, seey, and treas., L. E. Tierney, mgr. v. Fikhorn — Carestk, 800,000. Eureka. Tunnel: steam. P. O. and Ry, Ulkhorn

Greenbrier Coal & Coke Co. Justus Collins, prest., C. W. Jones, seey. and treas., High Jones, mgr. Cap. 6th, 8100,000. Tunnel. Capacity, 100,000 tons. steam.

Kanawha Pioneer Coal Co., Cheinnath Olno, toot of Broadway A Montgomery, prest, J. B. Lovell, seey, and treas. J. J. Lovell, mar. Cap. 8tk, 8150,000. Slope, 125,000 tons. steam. John Holder, supt. Malden Ry 342, 132 Mason Hope Salt & Coal Co. Edward Edwards, prest., D. C. Davis, seey, and treas. Cap. 8tk. 80,700. Hope, Tunnel, Lagueo tons, horse. Henry Williams, supt. Mason

Ry 563, 564 McDowell Elkhorn Coal & Coke Co. E. Barlow, prest, and mgr., A. D. Robertson, seey, and frens. Cap. st 000. Open pit, 100,000 tons, horse, 400 coke ovens capacity 20,000 tons. J. A. Cardwell, supt. Maybettey Rv. 523

Nortolk Coal & Coke Co. Smart M. Buck, prest., E. J. Hutchinson, v.-prest., Joseph S. Clark, seey, and treas, Cap. 8tk, \$990,000. Luck Branch. Drift, 425,000 tons; steam; 120 coke ovens, eapacity 40,000 tons.

Norfolk Coal & Coke Co. Smart M. Buck, prest, mgr, and supt.; J. S. Clark, seey, and treas. Cap. 8tk, 820,000. Norfolk, Tunnel, 180,000 tons, horse, steam, 472 coke ovens, capacity 50,000 tons.

Macron, J. N. Camden, prest, J. E. Sands, seey, and treas., B. D. Spilman, mgr., Cap 8tk, 82,000,000. Monorgali, Slope, 450,000 fons., electricity, breaker, washer, 32 (colecovers, expacity) 125,000 fons. M. G. Tyler, supt. Mononzali Rt 465 Montana Mines

Marion Montana Coal & Coke Co., James O. Watson, prest., George De Bolt, seev., J. E. Watson, treas, and logi. Cap. stk., 8200,000. Montana. Open ptl, 188456 tons. steam, washer, 458 coke ovens, capacity 75,000 tons. J. C. Gaskill, supt.

Marshall Moundsville Coal Co. J. C. Bardall, prest., J. O. Brooks, sery, and mgr., H. W. Hunter, treas. Cap. stk. 850,000. Moundsville. Shatt, 80,000 tons. steam. John Brooks sr., supt. Moundsville BY 42 Favette Great Kanawha Colhery Co., Ltd. Symington Macdonald, mgr. Cap. 8tk, 850,000. Great Kanawha, Tunnel, 1,00,000 tons, horse, 66 coke ovens, capacity 25,000 tons. Mount Carbon

Hartison, Mount Clare Coal Co., J. A. Crishp, pryst, and mgr., J. H. Jones, seey., Wm. L. Davison, treas., Cap. 8tk. Mount + lare

824,000. Slope, tunnel, 40,000 tons, horse Liv. 800. n Payette P O Sewell Depot Rv. 132. Conard Co., Rush Run, W. Va., J. Fred Fitinger, prest., F. Howden, seey, (treas, and mgr., Timnel, John II, Facil, supt.

Nutrallburg Fayette Nuttallburg Coal & Coke Co. Nuttallburg, Keeney's Creek. 180,000 fors; hand, 70 coke ovens. W. H. Holland, supt.

To 132 Onekiska . Monongalia Aeme Coal & Coke Co. oke Co., F. Ryder, prest, Frank Elden, seey, and treas., C. E. Hutchinson, mgr. Cap. Opekiska, (Duft, 60,000 tons, horse, 20 coke ovens, capacity 10,000 tons, Win, Hanson, stk. 800.0

Marcal, Davis & Elkius Coal Co. T. B. Davis, prest , W. I. Blackiston, seey., mgt, and supt., H. G. Buxton, treas c.ap.stle stonome. Window. Drift, 100,000 (tons) steam.

#### COAL-BITUMINOUS (CONTINUED)

Loc:	TION OF	MINE,
		R ROUTES
AND	SHIPPING	Point.
Town	AND	COUNTY

COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED. COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Plymouth Ry. 344.	Putnam Carver Coal Co., Edgewater, W. Va. John Carver, prest., Fnoch Carver, seey, and treas., James Carver, mgr. and supt. Cap. stk. 850,000. Plymouth. Tunnel, 75,000 fons. horse.
	Provide Management and Asia Control (1991) and the Asia Co

ount Carbon Co., Ltd., London, Eng., 5 Capthalt Bldg, H. C. Newson, prest., A. B. Seel, Seev., Evan Powell, ngr. Cap. 348, 500000. Towardton. Tunnel, 150,000 tons, horse, breaker, 202 roke ovens, capacity 75,000 tons. W. A. Newman, supt. Powellton Ry. Handley 132, 3420.

McDowell Powhatan Coal & Coke Co. A. J. Tierney, prest, "Affred D. Wolff, seey, and frees", Lawrence E. Tierney, mgr. Cap. sik, St00000. Powhatan, Drie pit and familia, 180000 fors: steam and horse, (hipple for other vertex, capacity 36,000 fors. James Hetherman, supt. Powhatan Ry. 523. Fayette Quinnimond Cort & Iton Co. W. R. Wister, prest, Charles Cilpin pr. seey, and freas., D. C. Boyce, mgr. Cup sik, 850,000. Quinnimont. Drift, 50,000 forus, steam. To cooke ovens, capacity 20,000 forus. John Mehritosh, sigit. Oningmont

Ry. 132. McDowell Roanoke Coat & Coke Co., Roanoke, Va., Ferry Eldy J. B. Fishburne, prest., A. D. Rice, seey, and freas., 1523. W. S. Conell, high and supt. Cap. stk. 850,000. Tunnel, horse, 40 coke ovens developing a Rolle Ry. Elkhorn 523

Fayette Brooklyn Coal Co. J. Fred. Effinger, prest , John H. Howald, seey , W. P. Tains, treas., F. Howald, mgt. Cap. 8th, 855,00. Finlow. Druft, 50,000 tons. John H. Bell, supt Bush Bun Ry. 132

Reil Ash Coul Co., J. Fred Effinger, prest. John H. Howald, seey., W. P. Lims, treas., F. Howald, mgr. Cap. 8th, 855,000. Red. Vsh., Duff. 50,000 tons., John H. Bell, supt.

Royal Coal & Coke Co., J. Fred. Ellinget, prest. John II. Howald, seey., W. P. Tams, frens. F. Howald, nigr. Cap. 8tk, 855000. Prince. Drift 5000 clous. John H. Bell, supt. Rush Rum Coal & Cole Co., J. Fred. Liftinger, prest j. John H. Howald, seev. W. P. Lams, treas. F. Howald, mgr., Cap. 8tk, 855,000. Rush R. ii. Deatt, 50,000 (tons). John H. Bell, supt.

Sunpson Ry. 42. Taylor Sumpson Coul Co. W. E. Colborn, ingr. and supt. Sumpson: Tunnel, togetions, horse

Mason Consumers' Coal & Minne, Co., R. D. Spannan, post., O. V. Roush, soey, and freas., H. L. Spilman, mgr., 554. —— and supt., Coal & Minne, Co., R. D. Spannan, post., O. V. Roush, soey, and freas., H. L. Spilman, mgr. Spilman Ry, Camden 533, 534. Springfield Hampshire

Springfield & New River Developing to Springfield, W. Va., J. J. Alvtes, prest, and ingl., J. W. Lergu-son, sery, and Iteas. Cap. 8th 825,000. Developing Ry. Mendow t reck 132. Kanawha Black Band Mining & Manustachuring Co., spring H.P., W. Var., J. W. Humford, prest. Robert McDonald, seey., A. M. Worldfodge, mgt. - B. ick Fand. - Or fft, 200 tons, so am., James Noble, supt. Spring Hill

Ry, 132, 314 Tucket H. G. Davis Coal Co. H. G. Davis, prest T S. Landstreet, seey and supt. H. G. Buxton, treas, and mgr Cap 8tk 850,000. Thomas. Deatt, shall portocotons, horse, 50 coke ovens, capacity better fine. Thomas. Ry. 799

ike to - V. A. Bonada o, prest and ingr. J. J. Cuv, seev. W. H. Watkens treas. Ca. West End.: Open pd. fo.coctons. house, foreolo ovens, capacity, 4,200 tons. "John W. Tunnelton Preston. West Indicake to: Ry. 13 held, supt.

Tyreonnell Manes, Taylor, Newburg, Orrel Coal & Coke Co., Ballinner, Mit., S. Gay st., Cap. stk. 850,000. Tyreonnell, Innnel. Ry. 42.

Union Mines Kanawha Mount Morris Coaleto. Charles 11: Len prest and freas. Park Gripman se v. Samuel Charlyan, mgr. 432. — Cap. stk. 80,000. Mount Morris. Tunnel, 75,000 tons. horse. Ry. Handley 132

MeDowell Peerless to al X toke to R t Tuther prest D B Lows, seev. Geo t Classen, to as . H t Zaeli atars, in 20 Cap stk s Donot. Peerless toll et v Transel steam (o) coke over is Vivian By. 52

Wellsburg Brooke, Porbes, Carmichael & Co., Wellston, Trainel, open p.t. Governors, Joseph Welliam Forlis, and Rv. 581

Kamawhar Windrede Coal Cee, Pludadelpha, Pa., 5f8 Wa'm f.st. The clar Wigat, prest, D.W. Chandler, seeving is B. B. Cassady, mgf, and supt. Cap. 8th, 880000 - Win feed. Open pit, 150000 hors. 8th horse. Winitrole Ry. 132, 8.4

#### $\approx VLT$

LOCATION OF MINE OR WITE, HWAYS, WATER ROUTES AND SHIPLING POINT RADING

NAME OF COMPANY OF INDIVIDUAL FORALION OF PRINCIPAL OFFICE NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MIST. KIND OF PROPERTY KIND OF MINE OR WITE, ANNUAL OUTPUT IN TONS OF 2,001 POUNTS KIND OF POWER I SED IT AND NAME OF MINE STREETINGENDENT

Lows

Harttord City Mason Tryetpool Saft & Coult o A. L. Smith, prest, and treas a Charles C'Aton, see y landings of ap-sik strain. Wells alang by's steam By. 584

Mahhen Kanawha, J. O. Duckuison & Co., Cab. Science, Well accorde's a steam Ry . 132

Mason Southern Salt to B. J. Redmond prest and treas 1 H. Moor serv. J. C. Kauf. mgr. Cap stk. Sanoo. Domestic Wells, orientally steam. A 0.24 Moor s. pt. Mason Ry 540

#### =111

LOCATION OF MINL OR BANK, RAILWAYS, WATER ROUTES, AND SHIPLING POINT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF DEFICERS, CAPITAL STOCK, NAME AND KIND OF MINE OF BANK ANNUAL OUTFULT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, LTC., and NAME OF SUPERINTENDENT

Berkeley Springs Morgan Berkeley Sana Co., Putslong, Pa., 1113 Carson St. J. D. Wilson, prest. P. K. 165, 1800. Thomas L., Rv. 12. Challingt, treas. Cap. 8th 8, 900. Surf. Open pd. 1000 fust, Scian.

### THE MINING DIRECTORY—MINES.

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE
OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

TOWN AND COUNTY,

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF
2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILNS AND
CAPACITY, ETC., AND NAME OF MINE SUFFERINTENDENT.

Ablerson, ...... Monroe Alderson Brown Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Ry, 132.

Ry, 132.

Alderson, ...... Monroe Alderson, Brown Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, prest.; George W. Clark, Stone Co., Richmond, Va., 1115 Main st., James D. Cramp, Prest.; George W. Clark, Stone Co., Richmond, Va., Richmond, Va

# WISCONSIN

#### GOLD AND SHAFER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Town COUNTY. Ella Ry, Maxwell 14163 m. c.

Pepin Wabasha Mimag Co., Wabasha, Minn. C. Jellison, prest., treas, and mgr.; J. H. Mullen, seey. Cap. 8tk. Gim. J. S00,000, Wabasha, silver. Shaft, free. Wabasha, saver.

#### IRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OPTICIT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUFFRINTENDENT.

Commonwealth Florence Commonwealth Fron Co., Cleveland, Olno, of and 23 Wade Bldg, E. W., Oglebay, prest, C. W. Merrell, Ry, 156.

Spatts and open pits, 53 55 0608, Seam. O. C. Davidson, supt.

Hubbard .Dodge (P.O. Iron Mountain Ry. Iron Ridge 141

Florence

Florence Florence Iron River Co., New York City, 46 Wall St. John Scott, prest., H. Paderstein, Seey, and treas, Florence, red hematite. Shatt, 200,000 tons, steam. S. T. Beattie, supt. Northwestern Iron Co., Milwankee, Wis., 67 New Insurance Bilg., Irving M. Bean, prest, and mgr., W. K. Packman, Seey. Chas. F. Hsley, treas. Cap. stk. 8500000. Iron Bilge, red hematife. Open pit. K. Packman, seey 18,000 tons, horse

Winter's Metaffic Paint Co., Iron Mointain, Wis. 1, B. Winter, prest, tre-secy. Cap 8tk 800,000. Iron Ridge, hematite. Open pit, 800 tons, 8teann. J. B. Winter, prest, freas, and mgr. F. W. Barrows

Hurley Ry., 149, 827.

Ashland Montreal River Iron Mining Co., Cleveland, Olno, 29 Wade Bldg. J. H. Wade gr., prest., E. W. Oglebay, seey., G. A. Garretson, treas. t.eo. H. Abeel, ingr. and supt. Cap. stk 8500,000. Montreal, hematife. seey., G. V. Ga Shatts, steam, Montreal, hematité

Odanah Iron Co., Milwankee, Wis., 148 New Insurance Balg., 8/8 Curry, prest., H/8 Haselfon, seev Francis Hindon, treas. Cap. 8tk, 850,000. Carey, West Carey and Odanah, hematife. Shafts, stean C.H. Munger, supt. Penokee & Gozeba, Consolidated Mining Co., Cleveland, Ohio, Perry Payne Bldg., Joseph J., Colby, Ireas Cap. 8th 84,000,00. Colby, bessence, hematite... Shatt, 20,000 tons, steam, W. J. Wolcott, supt

12x 827

Ashland Iron Belt Mining Co., Cleveland, Ohio, J. H. Severance, prest., John L. Severance, seev., D. F. Lesherreas, Cap., 8tk, 85,000,000. Iron Belt, bessemer, red hematite. Shaft, 150,000 tons, steam. Duncar treas, cap stk McNichie, supt. Sank Iton Monntain Ore & Furnace Co. G. W. Andrews, prest, jugr. and supt., H. C. Gridley, seev. J. C. O. Gorman, treas. Cap. 8tk. 250(20). Sank, red hemalite. Open pit, 3000 tons, hand and horse,

Ry. La Valle 150. Knight

Ashland Union Iron Mining Co., Ashland, Wis. H. H. Guisberg, prest. F. H. Pavne, seey., L. Kolman, treas imer 827 — Win Jocko, nigr., and supt. Cap. 8th 846,000, "Sampson: Shaft steam."

PO & Ry Plummer 825 Vanghir Ashland (P O Hirrley) Ry. Ashland 149, 827

Ashland Germania Iton Mining Co., Harley, Wis. E. A. Hayes, prest, W. P. Lyon, see:
deye, Ry., arc, Gar, Std. S. Dotonoo, Germania, brown hematile. Shafts, proceed lons, cap. std. S. Dosmith, Siph.
see:
arr, D. D. Smith, Siph.

Gogelie Developing Co., Chicago, III. Chas. F. Harding, prest. Geo., J. Westover, seev., Prank Par-well, treas. R. R. Frezona, mgr., and supt. Cap. sik. 85,000,000. F. Hennepin, Pence and Sinder, red. hennatite. Shart, 50,000 tons, steam. Weyerhauser: Chippewa Minnesota Mining Co., Minneapolis, Minn. W. H. Hinkle, pres \* Rv 455 — J. N. Staey, fugt. Cap. stk, \$1,000,000 - Minnesota, bessemet W. H. Hinkle, prest., J. Thame, seev., Trank Loofe, Ireas., hintesota, bessemer - Shufts hand developing

#### LEAD AND ZINC

LOCATION OF MINE BAILWAYS, WATER BOUTES AND SHIPPING POINT.

NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF DEFICERS, CAUTAL SPORK NAME OF MINE, KIND OF OUR, KIND OF MINE, ANNUAL OUTLIET IN TOSS OF 2000 POINTS, KIND OF POWER USED, SMELLERS, LT., AND NAME OF MINE SUPERINTENDENT

La l'ayette Benton Lead & Zine Mining Co., P. A. Orton, prest., J. Buchan, seey, and treas., T. H. Liwing, mgi., and., supt., Cap. 81k, 848,000. Benton Blend, zine., Shatt, 2,000 tons, Thorse.

Calvert Bros., Cap. 84,000. Well Strike, lead. Shatts, 100 tons, Iperse., Joseph Alton, smit. Coltman Mining Co., Coltman, lead and zinc. Tunnel, Lauctons, hand,

Dodgeville. Iowa Davis Bros. Cap. \$1,000. Dodgeville, lead and zinc, horse

Ry, 319, 150,

Benton

Evans Bros., Cap. 82,000. Kangaroo, zine and lead. Shatts, Co tons, horse and hand. A. M. Lyans, supr.

Joseph Sobey & Co., Cap. \$5,000. Dodgeville, lead and zine. Shatts, autons, horse. Thos E. Davis supr Whittord & Kelley, Cap. 810,000. Calumet and Hecla, lead. Shatts, 4,000 tons, steam, "Joseph Shater pt.

Harrison Grant (P. O. Plattsydle) Ry Grant, Hillary, Richter & Co., Platfeville, Wis., Crabtree, zinc., Shaft, 200 tons, hand, 141, 150,

. . . . . . Many

Green Bay Rv 580, 150

#### LEAD AND ZINC (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY		NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICE(S, CAPITAL NTO) E, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TOSS OF 2000 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUFERINTENDENT.
Jamestown Ry Cuba City	Grant	May & Brant, South Menominee. Lead. Sharts; tree, horse and hand, furnace. Conrad May, supt.
Linden Ry Edmund	Towa 150,	Linden Mine Co. Win, Adams, prest, and supt.; John Bowden, seey., John Vial, treas.; John Adams, mgr. Cap. stk. \$105,000. Linden, lead and zinc. Shatt, 200 tons.
**	**	W. Ross & Co., Mineral Point, Wis. Linden, lead and zinc. Shafts, 200 tons.
Mittlin Ry. Rewey 15	lowa 50,	Livingston & Miffin, Livingston, Wis. Cap. \$10,000. Coker, lead and zinc. Shaft, 1,200 tons. steam. John Raim, supt.
**		Union Mining Co., Maieral Point, Wis. Win. Bambridge, prest.; George Bainbridge, seey, and treas.; Jas. Spensley, mgr. and supt. Cap. stk. \$100,000. Union, zinc. Shaft (developing).
Mmeral Point Ry, 141.	lowa	Wm. & Jas. A. Hoare. Hoare, lead and zinc. Shaft, 520 tons; horse and hand.
	**	Jones & Snow. Zinc. Shafts, 1,600 tons. horse. John Jackson, supt.
		Spensley, Jones & McLehon. Bonanza, zinc. Shatt, 1,000 tons, horse. James Thrasher, supt.
		Tyack & Oates, Iowa st. (local). Lead and zinc. Shatt, 45 Ions; hand,
New Diggings L Ry Benton 13		Empress Mining Co. Joseph Coulthard, mgr. and supt. Empress, zinc. Shaft and fininel, 400 fors, hand.
4.1	**	Eureka Mining Co., Benton, Wis. Wm. Curwin, prest.; P. H. Whaley, seey, and treas. Eureka, tunnel, 200 tons. T. Connskey, supt.
	**	Ida Mining Co., Richard Sherwan, seey., George Hoffman, jingr., and supt., Ida, lead and zinc., Shaft, 1,000 Ions, steam.
••		Robert E. Lee Mining Co., Etna, Wis. T. A. McCarthy, prest., Joseph Conflibard, seey, and supt.: John Conflibard, treas., M. J. McCarthy, mgr. Cap. 8tk, 825,000. Robert E. Lee, zinc. Shaft and timinel, 500 torus.
	**	Sallie Waters Mining Co. M. Newman, prest, and supt. Will McGivney, seey., treas. and mgr. Sallie Waters, lead and zinc. Shatt, 1,000 tons, steam.
	**	Zine Carbonate Co., Shullsburg, Wis. John H. Savage, prest., A. Hayden, seey, and treas.; F. C. Richmond, mgr. Cap. 8tk, 825,000. Lead and zine. Tunnel, 2,200 tons, steam. Henry Hoffman, supt.
Platteville Ry, 141, 150.	Grant	Graham & Holzer. Graham's, lead Shatt, 35 tons, hand,
	**	Spensely Hutchinson. Silver Plume. Lead and zinc. Shatt, L500 tons, horse
**	**	Murphy & Stephens. Cap. 800,000. Lead. Shatt, 100 tons, hand.
**		Schröeder Bros, & Wolf, Cap. 82,500. Lead. Shaft, 55 tons, hand.
		Stephens & Stephens - Lead and zinc Shatt and frimel, 200 tons, hand
Shullsburg L. Ry. 141.	a Fayette	Lucky Hit Mining Co. Lucky Hit - Lead and zinc. Shaft, 5ctons, horse.
		Wisconsin Lend & Zine (o. New York) tity, 2 Nassaust, W. Rotch, prest : Frederick Switt, seeg, and treas. Wm P Blake, gen. mgr. Cap. stk. 84,000,000. Galem, Little Gant, Dry Bone, McCarthy and Helena. Lend and zine. Shatts, tunnels, open pits, 6,000 tons, steam tunnels, Cap. Higher, supt.

White Oak — La Fayette Pick & Gad Mining Co., Shullsburg, Wis. A. A. Fownsend, ngr, and supt. Pick and Gad. Lead. Shatt Ry and P. O. Shullsburg H. Gad. Fytons.

### MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER ROLLES AND SIMILERS FORM. AND SIMILERS FORM. AND OF POWER USED, FAINT MILES, ETC., AND NAME OF MINE SUFFICIENCY.  TOWN AND COUNTY.
--

Brown (Pascal Degrandgagnage) Whitney Bluff (Open pit, I ton. steam)

### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MISS OR QUARKS RAILWAYS, WALER BOUTES IND SHIFTING POINT	NAM, OF COMEANY OR INDIVIDUAL LOCATION OF PERSCIPAL OFFICE, NAMES OF OPPICERS CAPITAL STOCK, NAME OF WIND, OF QUALIEY, KEINS OF STORE, KEINS OF MINE OF QUARIEY, ANNUAL OF TETTER TORS OF 2006 FORMER, KIND OF FORMER CHEE, STOKE OF MARIER, MILLS, LITMAGIES AND
Tows 15D Court	CM WITH, LTC., AND NAME OF MINE SUPERINGENDENT

Amberg	. Marmette	<ul> <li>Amberg Gaante Co., Chicago, Ill., 119 and 121 La Salle St. W. A. Amberg, prest and treas., W. R. Hins-</li> </ul>
EV 451		dale, seev and mgr - Cap, stk st50,000. Aberdeen, Atgyle, Athelstane, Martindale and Pike, gramte,
		Open pit, 16,000 tons. Sfeam. Fzekiel Edwards, supt.

	of all late to do not to dis-	. 417 (1111)	177 Kir i Lata dirir	., .,,,				
Ashland Rv. 142, 5236	Superior Brownstone Co brown sandstone (1)			. 11 .	Whitney, 8	eey. Cap.	stk. 850,000	Bass Island.

Bayfield Bayfield Plag River Brownstone Co., Duluth, Minn., 54t Lake av. 8. (J. P., Fredin, prest., E. A. Wilson, seey., Ry., 85, 229. (C.W. Wilson, treas., 6. (J. Miller, mgr., Cap. 8tk, 85,000). Flag River, brownstone. Openpit.

413

#### STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER KOUTES AND SHIPPING POINT. COUNTY AND

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MALBLE MILLS. LIMEBILIS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Bayfield Continued.

Bayfield Iron River Brownstone Co., Dubuth, Minn., 606 First National Bank Bidg. A. E. McCordie, prest., J. F. Cargill, seey, and marg. W. G. (russby, trens., Cap. 84k, S100,000). Tron River, brown sandstone. Slope 12,000 tors. Steim and horse. August B Broman, 840.

Beloit

, Rock William Samp, 412 Wheat st. City, Innestone

Ry, 141, 150. Berlin

"Green Lake - Berlin Gramte Co. Wm. Bannerman, prest., mgr. and supt. Cap. stk. st2,000. Berlin, gramte. Open pit. 6,000 fons, horse. Ry. 141.

Berlin & Montello Granite Co., Chicago, Ph., 62 Washington st. [J. 11] Shepard, prest., C. B. Beach, seey, and treas.; W. H. Bairstow, nigr. Granite. Open pit, 30,000 tons, steam. Geo. Knowles, supt.

Archibald Met allum, Sweeting st. Cap. 85,000. Met allum's, blue granite. Open pit, 12,000 tons, horse,

Black River Faffs Jackson, J. Pophana clocal). Pophana's, building stone. Open pit, hand, Ry. 143.

Brule Ry., 529.

Donglas, Arcadam Brownstone, Co., Cheago, Ph., bd. LaSaffe st., A. J., Cheney, prest., Austin Moody, seey., W. S. Maxwell, Ireas, and higr. Cap. 8th, 810(01). Alcadam, brown sandstone. Steam.

Burnside pendence 296.

mside — Frempealeau A. T. Wickham. South Side, stone, sand, clay. Stope, hand, Ry, and P. O. Inde-

Byron

Fond du Lac. Christopher Geiget. Cap. \$15,000. Limestone and flagging.

Ry 827.

Hamelton Lame & Stone Co., Refeliam, Wis. A. K. Hamilton, prest, and treas., Martin Corwin, socy, and mgr. Cap. stk. 855001. Lamestone. Open pit, steam. kilns, 20,000 tons. C. M. Fisher, supt.

Dodgeville Ry, 319.

Iowa, Davis Brothers, Cap, Sauto, Dodgevele, limestone. Horse, limekilin, tz tons,

Duck Creek

Brown, Brown & Bentley, Cap. 85,000. Duck creek, Innestone. Open pit, steam, hand and horse,

Ry, 141, 150.

Foud du Lac Marddehead Lime Co., Chicago, Ill., os and foct anal st. A. I. Howe, prest., C. C. Bishop, seey, and treas., A. Newton, mgr. Cap. 8tk. sto., oc. Eden, Pinestone and flagstone. Open par emckilin, 700 tons. T. G. Kimber, suppl.

175 150

Nost Bros., Marfdehrad, Wis., Cap. 850,000. Timestone, 15,000 fons.

Fox Lake

Dodge A Fanshaw Cap stoop, Fox Lake, I mestone Open pat, horse and hand

Rock, G. W. Coxhend, I decreap, Was., Padding and unrestone. Open pt. soctors, band, banck list, 4.20 tons.

Fulton Edgerton 141 To

John Horton, Building stone. Open par powder

Green Bay

Brown Pascal Degrandgagnage Whitney Built, Linestone Steam Inib., mekshi 20 tons

Ry .380 Green Lake: Ry. Espon 111, 150.

Green Lake, Green Lake, Gran to Co., Chesa, o. 1917, 1904, and 1905 Lacona 1932. John D. Caton, prest. John D. Sher a Ht. 150. — wood, Seey., Chas. F., Towne, 1908. Gap., 8tk, 8100.00. Green Lake, grante. Open pd., 7.700 tons Steam

Hortony dle

Ontagature, David Hodgars, Cap. Sorot, Lamestone, Open pd. kalir

Ry 119 Houghton.

Baylield, Harriev Bross, Manneapo's, Manne, its II mir par av. Harriev's, brown sandstone: 10,000 tons, steam,

Ry. 143. Howard

M. Brunette, V.Cp., W.s., Cap. Stoopers, Old Duck Cress., June 1 mestons. Open pt. 5,500 tous. Steam

P. O. and Rv. Creck Go. Durck

Wm. Paniegan Rick Manufacturing Co., Fort Hovera, Wis. Cap. stk. \$5000. Blue Linestone. Open pif, Steam. W. J. Francejan, supt.

Hubbard.

Mavythe White Lane Works, Mavythe, W.s., Chas. Recorders by perst. J.m.14. Read-busch, serv. and trens. Herman H. Ruedconsch, may. Cop. std. s. nov. Room stream. Stem. Superstand. Open pd., 20000 1000, stemm and de Orthects. mil. Provid Powers super.

Ry and P Ville 111 Max

Dodge J D Finney Stone Open jet hand inch

Ry. 150. Kanikanna

Rv. 450

Ontagamic, Kankanna Stone Quarty Co., Cap. 86,000. Threstone: Open p.t., octons, steam. J. Jones, supt.

Ry 450, 449, Knapp Rv. 145

Juneau

Down Toodyear & Saidde Mound Sandstone to Tait tosse, W.s., Lev. W sheet prest: G. R. Vancent, seek, and Treas, Jas. M. Reynglids, mat, and supt. (e-postly state) to core at and Saidde Mound sandstone. Open pit, steam, in l

Madison

David Stephens: Cap \$2000. Stephens, "mestere and sandston". Slope, were tons, steam, coefficient and hand, unit, John Muenster, supl.

Rv. 141, 150, 549 Warshiteld Ry 146, 827

Wood, Johnson & Ward, W. Wankee, Wis , Room 5 Ool Insurance Bollo, Wise usan red and gray grande,

Medina ... Ry 449, 827, ..Outagame Medina Stone Quarty Co., Appleton, W.s., 768 Appleton st., C. B. Mortison, prest, and freas., R. S. Bartd, seey., supt. and mgt., Cap. stk. sto. 09. Medina, himestone. Open put, 5aty ctors, steam.

Menomonee Falls Wandersha

Wemonioure Falls Quarty Co., Mi'wanke r., Wis, 100 Wiscons in st. Winhold Smith, prest. Samoel. Rosen, date, seec., Henry Hyman, Brass. J. H. Hadhreld, mgl. (Cap. et k. 8100,000). Minomonie Falls, John Stone. Open pd. (1996) foris, Stone. mill. R. J. Bant, sim.

Montello Ev. 8.7

Marquette Berlin & Montello Grunde Co., Chicago, P.). 162 Washington St., Jasson H. Sheyard, prest. C. B. Beach, seek, and freus. W. H. Baristow, ingt. Cap. 8th, \$250.00. Monte by Grande. Open pre-based bases water, mill. Edward Burns, such

Mount Pleasant

unt Pleasant - Raeme - Fov's Lime & Stone to , Rae no, Wis - Cap, \$18,000. Toy s, boldah, and - no stone P O and Ry - Raeme - steam, horse ke'ns, point cons - J. J. Fov sept. - 141, 150

#### STONE, MARBLE, GRANITE AND ONYX (CONTINUED)

	ATION OF	
RAILWA	or quari ys, Wate Shipping	R ROUTES POINT.
Town	AND	COUNTY.

Ry. 146

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF FRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF FOWER USED, STONE OR MARRIE MILLS, LIMERLINS AND CAPACITY, ETC., AND NAME OF MINE SUPPRINTENDENT.

Mount Pleasant Racine Hotlick's Line & Stone Co., Racine, Wis. Alex. Horlick, prest.; G. W. Horlick, seey, and treas. Cap. stk. (Continued.) \$29,900. Horlick's, line and building stone. 15,000 tons; kilns, 6,000 tons. J. A. Horlick, supt.

New Diggings, La l'ayette doseph Coulthard, Etna, Wis. Empress, bluestone. Shaft and tunnel, 500 tons, horse and hand, ily, Benton 450

New Richmond St. Crory Oakes & Sons. Limestone, soapstone and sandstone. Open pit, water. Wm. Oakes, supt. Ry, 143, 827.

Oshkosh Ry, 141. Wumebago Oshkosh quarry Co., cor, Knapp and Thirteenth sts. Wm. Faber, prest, and treas. A. Lutz, seey.; Robert Lutz, mgr. and supt. Blue limestone. Open plit, 85,000 tons, steam. Wankesha Wankesha Stone Co., Milwankec, Wis., 499 Third st. Osear Knie, prest, and mgr.; Daniel Meyers, seey.; Fred Kraus, freas. Cap. stk. 8100,000. Wankesha, limestone. 80,000 tons; steam. Frank W. Häre.

Platteville Grant Place & Gerdts, Cedar St. Cap. \$1,000. Bride, himestone. Open pit, 13,000 tons; hand, Ry. 141, U.O.

Presque 181e Ashland Ashland Brown Stone Co., Chicago, Ill., 1140 The Rookety. G. A. Bodenschatz, prest.; E. H. Brown, seey.; J. G. Bodenschatz, treas.; A. M. Brown, mgr. Cap. 8tk, 8100.00. Ashland, brownstone. Open pit., 2500 Hours, strain. A. E. Bickinson, supt.

Sheboygan Sheboygan Sheboygan Lime Works, 822 Niagara st. Mrs. H. E. Roth, prest, and treas. Herman L. Roth, seey, and hgg. Cap. stk, \$40,000. Limestone. Open pit, steam; kilns. Martin Schultz, sipt.

Sparta Monroe Simon W. Bunce (local). Cap. 8300. Freestone. Open pit, 1.780 tons, hand. Ry, 141, 150.

Sturgeon Bay Door John M. Laurie, Cap. 88,000. Laurie's, stone. Open pit, 10,500 tons, horse and hand Ry, 380.

TrempealeauTrempeareau J. A. Johnson. Riverview, free and lunestone. Slope: hand. Rv. 135, 150, 296.

land, supt.

Wishburn . Bayneld Babcock & Smith, Houghton, Wis. Cap. \$19,000. Washburn, brown sandstone. Open pit. 90,000 tons, 18 143; steam. W. H. Smith, supt

Prentice Brownstone Co., Ashland, Wis., 200, 202, 204 and 206 Kinght Block. F. Prentice, prest, treas, and mgr<sub>3</sub>, J. B. Niles, seey. Cap. stk. \$125,000. Prentice, sand-tone. Open pit, 43,596 tons; steam; stone

Wanwatosa Milwankee Monarch Stone Quarry Co., Milwankee, Wisa, 371 Broadway. H. Niedecken, prest., J. W. Bangham, seey. and gen. 5321. Cap. 8tk. S100,000. Monarch, dimension and rubble stone. Open pit, 130,000 tons; steam. H. H. Greene, supt.

" Story Brothers, Milwaukee, Wis., Room 7, 294 Grand av. Story Bros., Innestone. Open pit, 30,000 tons; compressed air.

White Water - Walworth G. W. Coburn, Coburn, Innestone. Open pit, hand, 1,600 tons.

# WYOMING

#### ASPHALTUM

LOCATION OF MANE RAILWAYS, WATER ROUTES AND SHIPPING POINT. AND COUNTY

RAILWAYS, WATER ROUTES

AND SHIPPING POINT.

Ry. Gillette'ss.

Cambria We Ry, Newcastle 88.

AND COUNTY

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL DEFICE NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2000 POUNDS. KIND OF POWER USED, MILLS, LTC. AND NAME OF MINE SUPPRINTENDENT

NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES O. OFFICERS, CAPITAL STOCK,

NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED.

Munkres & Matheratocal Cup 820,000 Munkres and Mathera Slope, 5,000 tons, horse, G. W. Munkres,

Weston Cambri Maria, Co., Reatrice, N. b. W. H. Kr'patrick, prest. C. W. Collins, v. prest. R. J. Kilpatrick, 888.

Seev. and Teas. (rap. 8th 8 service. Jumbo and Antelope. Lancel adapted for compressed art. breaker). W. Lan John supt.

Carbon Amon Paeulo Coal Co., Omaha, Neb. North and Parnam sts. Cap. 8th 89,000,000. Carbon No. 2, Slope, Go. 7, Lors st. inc. L. J. Had supt.

COAL BREAKERS, WASHERS, CORP. OVENS, AND NAME OF MINE SUPERINTENDENT.

Tows Piedmont.

TONS Almy Ry, 776.

Buttalo

Carbon Ry, 776 Cokeville . .

Sheridan

By Gillette ss

P. O. Invan Kata

Unita Chas Gold & Sons - Kathe - Open not

#### COAL BITUMINOUS

Unita Union Pacific Coal Co., Opadia, Neb., No. 7., Slope, Hogorotops, steam, W. T. Ramsay, supt. Black Buttes. Sweetwater. Black Butte Coal Manug Co., William Matthews, prest. P.C. Kettle, seev and supt. C.B. Seats, treas, By. 776. Sweetwater. Slope, on occurrence butter. Slope, on occurrence butter.

Johnson Robert Foote, Joeal - Cipe \$4,000 Diamond, Slope, 4,000 fors, horse

Tunta F.M. White. Burch Creek, Shaft steam, washer of M. White, supplied

Shefidan Geo Brundage, Local, Black Deamoro, Jamiel Locatons band

Wester Bran He' Coal Co. Joen! Brack He' A annel, hand

Ry. 776.		
Dana Rv. 776.	Cathon	Union Pacche Coa'tee, Onaha, Neb., Nath and Tatman sts. Cap. stk 820,000,000. Dana. Slope, 47,593 folis, steam.
Evanston Ry, 776 (11 m)	Umta les i	Porter, Dasworth & Lizert Alma Porter, mgr. Cep. stk. 850,000. Cannel. Slope, 5000 tons. Steam. Licence, Dasworth, supr.
Ry. Almy 776		Rocky Mountain coal X, Iron co., San Phaneisco, Cale, our Fronth and Togusendsts. Charles I. Crocket, 1983. Trank S, Donly, seey, and thous (Capestk, Sharrow). Vinc. (Stopen Superclong, Stein). A J. Bandburg, sipt.
Ham's Fork Rv. 776.	Umta	Overstree & Dodsons, Sulf Lade City, I than Boy 100 - J. T. Doosson, prest: R. T. Dodson, seew. T. M. Dodson, trens. G. W. Overstree, mg?, and sup Cup source. Princed. Slope, horse and hand, developing.
Hanna Ry. 776.	Carbon	Union Paette Coal Co. Omaha, New Ayath and Sociam sts. Cop. 8th, 855000000. Hanta, New Unid 2, 1908/8 tous. Steam. Co. R. III al Supt.
Lander Ry Rawlins 7	Lacinent 76	James E. G. flix (local). Cap. Signet. (at $^{12}$ s. (8 op., 1500 form) 1 (78)
New Castle Ry, 89,	Westen	New Gast's Wining & Improvement Co., Beatry (New York, W. L. B. Weston), test. (R. J. Kalpateck, see y and trens), W. H. & Spatieck, mark and supt. (Cap. Star See good). New Gaster (Turnel 1997), violating compressed and to recover.
Rawbus Ry. 776.	Cathon	4 C Miller Shutt and tunnel (band) (J. Frod'ex, 8, pr
Rock Springs Sw. Rv. 776	edwater	Inter State Coal Co., Ogden, Utah. gas Wishington st. [1] If Dian sw., se v. and to as [-C. C. Griffith, mgr, and supt. Cap, sik. \$20,000. Table State. Tannel, ste m.
		Rock Spt ness Corl Co. H. G. Balch, p. st. John W. Donn flan (seev. A. Kendaß, tras. P. J. Que dy, mgr. and supt. Cap sik (\$20.00). Nos. f. md. 2. ma Inclin (Stop), 10.000 fons. (steam.)
		Sweetwater Coal Maning Co., M. J. Greene, prest. S. R. Paziecare, seev., and tears — Chas. R. Kelsey, mgr and supt. Cap. sik. \$50000 [Secolar deep Part, 104000 tons boose.]
		uon Puedle Corl. Co. Omalar, Nec. Nuthand Latrato sts. Cap. 84k, 825000000. Rick Spring, No. 1. Sope. 28758 torus. Steinn. G. I. Black vold. Rock, Springs. No. 850pc. 28774 torus. Steinn. G. I. Black, Suid. Rock Springs. No. 1. Shafty and runne. 1 6758 torus. Steinn. G. I. Rock Springs. No. 5. Shafty, 3645 torus. Steinn. Inch. G. G. Black, Suid. Rock Springs. No. 5. Shafty, 3645 torus. Steinn. and horse. G. I. Black, Suid. Black, Springs. No. 8. Shafty. 24 or 1 or 8 steinn. and horse. G. I. Black, Suid.
		Anndyke Confund Mining Co., Pred W. Geny, prist and Treas. (P. C. Kettle ingl. and supt. Anndyke., Slope and trunel., 36,000 fors. herso.

#### COPPER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMEANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT

Swan

Ry. Fort Steel 776 (75 miles i.

Carbon Milliken & Hauley, Carbon, Wyo. Michael Hauley, prest., mgr, and supt.; John Milliken, treas, and seey, 576-675 Cap. 810,000. [Axis, copper.] Sharts, 500-tons, hand.

#### GOLD AND SHATER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Atlantic City Fre Ry. Rawlins 776.

Fremont Garfield Mining Co., Boston, Mass., 45 Oliver 8t. A. O. Norton, prest.; Hon, Harry C. Peabody, seey.; C.W. Baldwin, treas., M. B. Lovell, mgr. Cap. 8tk., 8500,000. Garffeld, gold. Tunnels, shafts, 10,000 tons, 17cc, steam. A. M. Sparliawk, snpt.

Emile Granier, Cap. \$400,000. Christma Lake, gold. Placers, 20 claims, free; hydraulic. Geo. A. Zimmerman, sunt. Robert McAuley. Mary Ellen, gold and silver. Shatt; hand,

Carbon Ry. 776.

Ry. 776.

Carbon Gold Hill Mining & Milling Co. H. B. Allen, prest., J. S. Allen, seey., Mander Peterson, trens.; Geo. H. Fales, high, Cip. stk. \$50,000. Occidental, gold and silver. Shaft, tree, steam, 10 stamps. John Martin, spil.

Gold Hall Laratone

d Hall — Carbon John Booker. Cap. 82,500. Wild West, gold. Open pit; refractory; steam; fostamps. Col. Downey, supt. P.O.& Rv. Rawlins 776

Albany Otras Mining Co., Laranne, Wyo. Lionel Sartorio, prest.; Fred Douglas, Willam, seey, and treas.; W. C., Knight, mgr and supt. Cap. sik. \$1,00,000. Keystone and libre Jay, gold. Shafts, 7,600 tons; tree, retractory, steam, water, 20 stamps.

John Disner, Gold, Placer,

Miners' Delight "Fremont George Bishop, Coming Day, gold. Tunnel; tree, hand, Ry, Rawlins 776.

Welconn By. Whitewood, S. Dak.,

Crook, Infer Ocean Mining Co., Chas. J. Finch, mgr. Cap. 8tk, \$40,000. Infer Ocean, gold. Open pit, 22,500 tons: 8.Dak., steam; mill, 100 tons. R. G. Anderson, supt.

97.1

Rinchart, Finch & Co., Cap. \$20,000. Gold Finch, Gold Bank and Gold Coin, gold and silver. Shafts and tunnels, hand,

P. O & Ry Red Lodge Mont ,529 (50 miles).

Fremont Dunham Mining Co. 8, C. Hunter, prest., A. E. Flager, seey, and treas.; R. B. Dunham, nigr. Cap. stk, fed Lodge [181,500,000]. Gold. Tunnel; retractory.

#### IRON

LOCATION OF MINE. RAILWAYS, WATER HOUTES AND SHIPPING POINT.

NAME OF COMMANY OR INDIVIDUAL, LOCATION OF LEINCHAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,001 POUNDS, KIND OF POWER USED, BLAST I TRNACES, ETC., AND NAME OF MINE STREETHENDENT.

Ry. Newcastle 88

Crook Midland Mining & Developing Co., Rapid City, S. Dak., John J. Roehford, prest. E. M. Reeves, seey.;
W. W. Hinton, treas., Samuel Scott, nigr. and supt. Cap. 8th, 825,600,000. Iron, hematite. Open

# STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARTY,
RAILWAYS, WATER ROWTES
AND SHIPPING FOINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED STONE OR MAKELF MILLS, LIMEBILES AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT

COUNTY Town

Rawlins 10 776 Carbon, Kearney Stone, Works, Kearney, Neb., 4, T. O Brien, prest., H. J. Stedman, seey, and trens., J. Murdock, mgr., Cap., 8th, 860,000. Gray, stone., Open pd. 6250 tons, steam., James McPhetson, supt.

# SUPPLEMENTARY LIST

01

# MINING COMPANIES AND OPERATORS

IN THE

# UNITED STATES OF AMERICA

WHOM WE HAVE REASON TO BELIEVE ARE AT POINTS GIVEN, BUT WHO HAVE FAILED TO FURNISH DESIRED DETAILED INFORMATION FOR REGULAR LISTS

ALABAY	ALA.	NAME Contable to Discount	Postol Lie I	NAME Salver Bow Basin Maning	POSTOLLICE
COAL BITUMI	NOUS	Fort Payne Furnace Co I. M. Anderson	Cardsden		Jenneani
		Shefte Id & Birminghar	31	Silver Queen Mining Co.	
	05101 FB 1	<ul> <li>Coal, Iron &amp; Ry Co</li> </ul>	- Gamble	- Takoji koensodida ter	1
	kiidelphia	Stevens & Co C. M. Morgan	Haffman	Mining Co.	**
	ngor ssemer	Jacksonville Iron & Ster	al Tronustae	W. T. Webster R. Albertstone	Sitka
	mungham	Lu	Jacksonville	Nicholas Haley	1111111
Vulcan Coal & Coke Co.,		Jemfer Iron Co.	Jeniter	T. R. Mooney W. F. Furner P. C. Weittenhiller	
Z. Cornelius Blo	ountsydle	Predmont From & Lan		W. F. Furnei	
Isaac Price & Co Bo E. M. Turwiler	ooksidi	- Un - Vlabama Construction :	Piedment	Orlando Grant	Loring
James Bynom (a	rbon Hall	Mining Co	Fathologa	Sand Collett	1.01 (112)
J. F. Reid Coal Co		J. Camp.		Richard Stack	
Kansas City Coal & Coke		D. M. Rogers			
Co.,		W II Skaggs	Trussville		
<ul> <li>Champion Mining Co., Ch. Warrior Coal &amp; Coke Co Co.</li> </ul>	alulioni Aldolo	J. M. Sims, A. Duan	Tescaloosa		
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Ballion City Mining Co. Eayetteville J. W. Bradley & Co. Daya's & Linton J. B. Miluin & Co. R. J. Pierce & Co. Powell Mining Co. Rentler Bros.

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Beaver White River
Stone & Mining Co. Enreka Springs
W. F. Blakemore Greenwood
W. B. W. Heurtts!!
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Silver Hill

NAME

L. L. Petty B. F. Wolt W. H. Wolt

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Mines	**
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George Sarlich	
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Richard Trevethan.	
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Payetteville Hackett

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ARKANSAS COAL BITUMINOUS

D. Harrel'son.
G.A. Hutchinson
Stillwell & Co. Little Rock
Russelly ille Coal, Mining
Russe'ly, 2e J. N. Sweet Coal Mng. Co II Lee J. R. Smith

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J. W. Fergissin Huntington
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Stewel & Co R. M. Winn & Co Rice Bros J. D. Bender

National Coal to J. J. Mexander

J. J. Alexander
G. M. Anderson
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# CALIFORNIA

# ALUMINUM

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Carbon Hill Coal Co. San Francisco
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trave Meadows Mng. Co.	
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#### COLD AND SILVER

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Leganda Mining Co.	
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Honkins, Nash & Co.	Adin
S. Lewis	
Frank Vanderlist & Co.	
Daisy Hill Mining Co.	Alameda
AmadorGold Muning Co	.Ansidor City
Ellipse Mining Co	**
Little Amador MiningCo	**
Quartz Mountain Min	
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Foster Mines	Anderson
Bald Hill Mining Co.	Angels Camp
Calayeras Cons. Gold	
Milling Co	Antonio
Cris Marian Co.	Amount
Frank Hartley	
J. W. White	
BertishGravelMiningCo.	Rangor
Badger Mining Co.	Bear Valley
F. E. Hall	
D. R. Moran	. **
Rising Sun Mining Co.	
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Peter Anderson	Bridgeport
A. Eitznafriek	
Inter State Cons. M. Co.	**
Hibbert & Burris	Browns Valley
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Joseph Banjugton	Butte Valley
John Castello	
Duryen & Co.	
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Andrew Kilpatrick	Clinton	Plumas Cons. Mining 3	X	W. O. Havermale	.Julian
D. M. Steward Summerstions M.X.M.Co.		Milling Co .	Greenville Greenwood	Warlock Mining Co.	
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Flying Dutchman Min-	Common Port L Parkels	W. Dixon J. Gallagher		J. D. Channell .	Kennet
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H. P. Christensen		Lawrence, Levy & Meltor	n .:	stead . V.M. Chamberlain	
Golden Calt Mining Co.		J. M. Met lain  Moore & Claybourne  John B. Perry	41	John Collops	
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David Pasenti.		James Bozzi	Нарру Сапр	thus Ingranes	
Redey & Bliss	**	Ock S to		Ali Jan	
Robert Stevens	**	Vigust Belleram L. K. Hough Wm. R. Shaw James Bozzi S. C. Howard Ock & Co. J. Reeve.	**	M. Mickings	
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John Brown.	Cottage Grove	G. B. Lemple	*1	Ali Sawin	
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Fieldy & Co		G. E. Temple W. H. Ellenwood S. Egelandson L. P. Smith Cleveland Cons. Minin		Alt Sawin Geo Sammers Taylor & Latinan, W. P. Harlow	Loonis
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P. B. Graham	Geo. Kang	La Canada	Charles Ofeson A. D. Salbwan James Watter Februard Feldin's J. W. Minas Win Tridgen H. Wext H. Uma Woodle (A. Pers) Keith & Francy A. C. St. John Victor Mari Jee	* 2 101
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	Wilson Bros Alma	P. J. Werley Boulder Jos. Yates Bacon Mining Co Boss Nine Mining Co F. E. Christie
ASBESTOS	Wilson Fros Allagmay Tinnel Co Elmira Mining Co Express Mining Co Chas Morrissey Treasure Vault Mining	Bacon Mining Co . Breekenridge
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Abestos Mining & Manu- hacturing Co Denver	Treasure Vault Mining	Farncomb Hill Mining
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Pfeiffer & Wheeler Thomas Shirwin	The Colorado Mine &	The Goy, Routt Mining
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Cannon Coal Co " Canon Fuel Co " Colorado Oil & Gas Co. " Independent Coal Co "	Paystone Mining & Milling Co Saturn Mining Co Saturn Mining Co Sheep Mountain Tunnel & Mining Co Solitaire Mining Co Dayld Welch Arthur Collinin Axiol Hon, H. C. Bolsmager , Babl Mountain Hawley Gardner Min. mag Co H. B. Morse New California Mining Co Co Co Signature Mining Co Co Signature Mining Co Co Signature Mining Co Co Co Signature Mining Co Co Co Signature Mining Co Co Signature Mining Co Co Co Signature Mining Co C	ing Co Golden Treasure Mining Co Golden Treasure Mining Co Gumed Mining Co Ingalls Gold Mining Co Ingalls Golden San Juan Mining Co Ingalls Golden Ingalls
independent Coal Co	Hawley Gardner Min-	Compell Mining Co
Marshall Consolidated	Ing Co	Ingalls Gold Mining Co. "
Marshall Consolidated Coal Co The San Louis Coal & Coke Co	New California Mining	Justice Mining Co " Rialto Minue Co "
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Dubois & Co	Guy Fairharst.	Lattle Mand Mining Co
Philips & Ferris	James Henderson, " J. W. Irwin "	Lottic Gibson Mining & Milling Co
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Milling Co. Mt. Rosa M., M. & L.Co. Mt. Rosa M., M. & L.Co. Myrtle Minnig Co. Myrtle Minnig Co.	W. P. Stratton The Tam (PShynter Cold)	Little Anaconda Minnig & Milling Co. Little Gold Mining &
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Nugget Mining & Milling Co.	The Vera Beymer Min- ing & Milling Co	Luchenbaugh Pulverizer Mining & Milling Co Merigold Mining & In-
Ophir Mining & Milling	The Vera Reymer Mining & Milling Co	Miller Minure & Tunnel.
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& Milling Co	Barbara Gibson Mining	Bio Grande Valley Pros peeting & Mining Co.
Wyatt Mining Co Yule Creek Marble &	Barbara Gibson Mining & Milling Co. Bartholf Mining & Mill	Romanic Cons. Gold & Silver Mining Co Salmon River Placer
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The Common Sense Man	Gold Mining Co Colorado - Enternasse	mg & Milling Co Windsor Mining Co Wyonning & Colotado
Ethel Mining Co	Leasing & Mining Co. Colorado & Mexico Lyp.	Windsof Willing & Colorado Winning Milling & In vestment to
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Ing Co Brall Collins Funnel Co Stanliope Mining Co	Ing Co	& Milling Co Adolph Ballat Dillon
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Benita Gold Mining Co. The Blue Bell Mining Co.	Mining & Willing Co.	J. J. Huims Dolores W.H. Kinght W.M. May John Ned John Anderson Dumont F. S. Barley
Blue Bird Placet M. & M.	The Duncan Pure Gold	John Ned "
Brewsters Bros	The Elkhart Cons. Min	John Anderson Dumont F S Bailey "
The Bull Dill Mining & Tannel Co	The Pair Change Manner	W. I. Boyd
Cadamus Cold Mining	Fire Gold Hill Cons Mining X Milling Co Florella Mining X Mill-	Christ lawson
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M. Co Cripple Creek Brokerage	ing Co	Al Tuyle J. I. Drake J. C. Fastley
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The Cripple Creek Silver Bell Mining Co	The Gold Mand Mining	H. M. Jones Kavern Manna Co
M. A. Dickinson G. G. Dirrow	The Gold Mand Mining A Milling Co Golden Rule Mining Co	Amos Kimldi J. W. La Wintyon N. A. Lantigue
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L. G. Haffey	The Gregory Salver Min	Emerson Pearl
J.t. Met oy J. P. Madden	A Silver Mining Co The Gregory Silver Min ing & Milling Co Grey Eagle & Foodboots Cons Mining Co	Yed Peart Ylex Scaton
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Marshall & Adams The Mattie W. Mining & Milling Co.	Hamburger Manng & Prospecting Co Idaho Sprangs Manng & Developing Co	
Milling Co.	Developing Co	C. Whiteomb D. L. Wilson

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S. T. Hockett	Chas, Gibson		Win, Springer	
Little Howard Miningt o.	Cashier M. Co	Hall Valley	Taylor Markley	**
Neath Mining Co Paulina Mining Co	Comet Cons. Mining Co		B. F. Wayne	Lawson
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Lattle Josephine Mining	D. H. Wilson	* **	ing Co	18- "
Win, McFarland J. D. Niswonger W. H. Figgart Gee, W. Tallman Gato Muning Co Fauplay	W. E. Baldwin	Haworth	Ruble Mining Co	**
J. D. Viswonger	Frank Brazil		Twin Lakes Hydran	tie
Geo. W. Tallman	Samuel Carder		Long's Peak Mining	X
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Mudsul Muning Co Thos, Sheldon Henry Rooher Farnham L. Breton F. Rollins	Leshe Gillette	1	F. Remmont	Magnolia
Henry Booher Farnham	Salem M. Hardy		C. Buckingham .	**
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F. rooms F. W. Wood Rine Relie Mining Co. Florissant F. F. Costello N. S. Davis	James Kelly		T. Graham	
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Seven Wile Minner A	W. B. Ritter Wm. T. Veds	**	Chinde Minner & M. Co	
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Valeno Mining & Milling	Mike Connots O. H. Dunham Leske Gillette Salem M. Hardy Gilbert Hayes John Howard James Kelly William Kerr Henry McGulrey J. Micre J. Micre J. Herov J. H. Revnouls Speck K. Ruspler Thomas Vills Ranch Bros. T. C. Graden J. D. S. Hopkins J. W. Laurd W. B. Ritter Win, T. Vanla Dr. J. J. Wallace L. E. Bayden. John Howard C. John Hopkins J. W. Laurd J. J. Wallace L. E. Bayden. John Howard C. J. John Howard J. John Howard J. John Howard J. John Howard J. J. John Howard J. J. J. John Howard J. J. J. J. Wallace J. J. J. J. Wallace J. J	Hillside	Co Empress of Aspen M mg Co Joseph Barnes 1 R. Cline Dudley Bros. E. E. Nisertt E. Gilley Geo. Welly T. M. beek P. C. Logan Polar Star Mining Co	n-
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Thos, Cornish "	Ed. Bindrehadter	Howardsville	P. C. Logan	" Tan I tanie
Dunderburg Mining Co	John Ferando	**	Polar Star Mining Co	**
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Co "	Ed. Bindrehadler John Ferando Hy Forsyth Andrew Kauth O, D. Kumball Lours Meyer R. Negold O, A. Nelson, Ed. Olson O G. Rodel T. M. Tripper C. J. Allen J. J. Elliott Fortums Gold & Silve	Idalio Springs	Cottonwood Placer Co	Naturita
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	Tam O'Connor		Assa Poor	**
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Jas. A. Brown. Frank Hoffman	Mecker Osier	Lathrop M. & Red. Co Kent Iron Co.		Bowling Green Phos-
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Capt. J. F. Allum	White Pine	STONE, MARBLE, G		De Land Manufacturing
MIC	:A	C. B. Wooster Frank Armstrong	Ansonia Bridgeport	Hurns Chemical Co "
New Mexico Mica Mir mg Co	n- Denver	<ul> <li>Bridgeport Quarry Co</li> </ul>		Dunnelton PhosphateCo, Dunnelton EarlyBird PhosphateCo, " Evaus & Hubbard, "
MINERAL		P. Garvey J. S. Hubbell J. W. Southey		Evans & Hubbard.
Franklin Paint Mills	Denver	J. W. Southey Connecticut Brownsto	me.	International Phosphate
SLA*		Co New England Brow	. Cromwell	Prospect Phosphate Co
Yule Creek Slate & Mil		stone Co	**	L. Bucks & Son Ellaville J. G. McGiffin Fernandma B. Orentz & Co
ing (o	Colorado Springs	Martin Collins A. M. Curtis	Danbury East Glastonbury	Jas. Morrison Fort Mead
STONE, GRANITE, MA	ARBLE AND ONYX.	A. M. Curtis Lester Holmes H. T. Luiger		Jas. Morrison Fort Mead LeeCountyPhosphateCo.Fort Myers R. G. Perrin Fort White
J. L. Chasten	Aikins	J. Oatley	.East Killingly	Gamsville Phosphate Co.Gamseville Phosphate Manufactur-
	Beaver Creek Boulder	J. D. Mead T. Ritch & Son Henry Webb	.Greenwich	ing Co "
Henry Breach G. W. Grigy W. Iredale, T. R. Owen		Henry Webb J. Scully & Son	Groton	Wagners and Physiology
W. Fredale. T. R. Owen	**	Seth Belden & Son	. Groton Hartiord	Manufacturing Co Diamond Phosphate Co Istachatta Imperial Phosphate Co.
Ed. Williams & Co	**	- Alexander Dallas - Haddam Grande Quai	EEV.	Imperial Phosphate Co. "
Ed. Williams & Co J. N. Williams Dunderborg Mine Douglas Lava Co	Bridgeport	Co	Middleton	Provident Country Publisher Control or Country
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Stewart Stucco & Co		Opic & Caddy Trevena Bros	. Mystic	Clarkson Robertson&Co. "
		John Hanna	New Britain	Florida DevelopmentCo. " Little Bros. Fertilizer & "
James Boyle. Cherry Red Sand Stor	De Beque	Booth Bros	New London Nuntie	Phosphate Co
- Douglas Stone Quart	Dellyer	C. F. Stoll Booth Bros James V. Luce Dayid McNaughton	**	Pebble & Soft Phosphate
Ca.	**	Milistone Granite Co	**	Co Kendrick Florida Pobble Phos.
1510 Seventeenth St. Mexican Onyx Co. Roy & Sayard, cor. W. 13th av. & S. 6th St. Houser & Rea G. W. Atkinson Stort Stone Quarries. Penelibbow Sandstone Co. Penelibbow Sandstone Co.	**	White Granite Co F. B. Durfey O. F. Gibson	Norwich	phate Co. Kissimee Lacovochee Phosphate
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Houser & Rea	Dolores	J. W. Boswell Bramford Gramte Co	.Sterling	Argyle Phosphate Co - Lake City
Stout Stone Quarries.	Ft. Collins	J. N. Derble & Co L. R. Lull	Stony Creek	A. A. Scott Lakeland Citrus Queen Phosphate Lossburg
	o Glenwood Springs Golden	W. H. Osborn	Willimantie	Co Leesburg
J. Summons. F. G. Zugelder	Gunnison			Cto Leesburg Chinax Phosphate Co Geni Phosphate Co N.&S. Aitha Kaver Phos- phate Co
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	Vifla Rica	Bella Mining Co	Boise City	Major Powell	
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		Badger Maning Co	.Bonanza City	W. H. Rambo J. C. Rasberry, Joseph Rodgers Jas. Rummel R. J. Rutter,	**
Franklin Gold Mine Stony Radge Gold Min Magruder Gold Mines	eSandersville	Boomerang Mining	Co ' B	Jas. Rummel	
		Eureka Mining Co Gray Mound Mining	Co. S	R. J. Rutter, Wm. Sutherland	
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Chattahooche Iron Co Hematite Mining Co	Canton Cara Spring	Hope Mining Co.,		South M. & M. Co.	Millan
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New England Co	New England	Mount King Mining	10 2	E. J. Chirk	Mullan
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J. A. Sheppard	Social Circle	harmita Manna t	o Bonners Ferry	H S Harris	
PHOSE	PHATE	Union Mining Co Cohambia Mining Co	Burke	1 W Steele	
Atlanta Phosphate Mining Co.	٨	- Collabbia Milling Co Bud Carmen	Clarks fork Cayton	Barton Manag Co	Murray
Mining Co.	Manta	Bud Carnien Windy Clark John Dale		Buckeye Mining Co	Co 2
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1, W. L. Maddox	Stockbridge	Richard Fitzgerald P. German	**	Occident Mining Co	t as a second
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Southern State Co.	**	Jas. McCullough		Clipper Mining Co	Nieliolia
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CTONE OBANITE M	ARRIE AND ONLY	Mait Paterson		das Cooper John Envehild	
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Gamesville Marble Wk J. J. Norman H. H. Jones & Co	es Gamesville	Azitale Co Lendi Minor <sub>s</sub> & Mil	Fort Lembr	1 Photops	
H H Jones & Co	Griffin	1.0			
	Hawkinsville Lithoma	Melvailap Bros Physics Co		Joseph Williams A. B. Wylie	
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J. I. Alger	***	Philadelphia & Idaho Popham Bros J. A. Staver		Santii Hardserab'de Marches Shoreb Mirche Co Wide West Gold Mirc	to Rocky Ex
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Davey & Son Heekle Mining Co.	.Wallace	A. Swanson	Cable	Sprague & Nickels Wm. Maddox	Fredoma
Heckle Mining Co. Porter Bros.	**	Jeffrey Bros Grover & Sons	Campbell Hill Canton	Wm. Maddox James Charlton	Freeburg French Village
Porter Bros J. M. Long	.Wardner	Pat Linden	Canton	Lawrence Forber	
Longshote & Levett	Weiser	T. H. Litkey Charles Winett		C. Strawbinger Patrick Powers	
C. F. Drake J. C. Hill	**	A. Swanson Jeffrey Bros Grover & Sons Pat Linden T. H. Lakey Charles Minett Charles Savil Silvis Bros	**	Heriden Coal Co	Golya
Louis Sommer, W. Walker		Wm G Barrells	Carlen Binfi Carlinville	Heriden Coal Co A. Lowell Martin Ayers	Georgetown Gilchrist
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IRC		Geo. McMath	Carterville	Wm. G. Sanders	.Grape Creek
Idaho Alumumin Mi ing & Mfg. Co	n- Rathdrom	Consumers Coal Co	Caseyville	D. P. Wilson	
		Evan Jones	Cathin	Buntling Bros	Grasse Creek
LEAD AN	D ZINC	Thos. J. Jones A. Olinstead Eli Sheperd	e h	Choctaw Coal & Min	ing
Bellview Mining Co Grimme Moore Vaning Callow Bros Carbonate Mt. Mining C	Bellyjew	Pittinger & Davis	Centralia	Co	Greenville Harrisburg
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E. A. Bevis A. B. Campbell Nathan Elhott Sierra Nevada Co	**	Lewis Atkinson Samt. Bright. Colchester Conf. Co	Colchester	Matthew Atkinson Bates Bros. Jones & Lamb	Kewaunce
A. B. Campbell Nathan Elbott	Wallace	Colchester Coal Co	***	Jones & Lamb	
Sierra Nevada Co	Wardner	Gilson & Smith . Reed Gordon		B. Kuley Orlando Libby	
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STONE, GRANITE, M	ARBLE AND ONYX	John Hunter	**	Wm. Poole	Kirkapoo
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Luke Frost .	Aledo	Crossley & Co	Crab Orchard	John Samule	
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Lot Hurst George Ketlar & Co	Bartonville	John Swanson,		Win, Rex Johnson Coal Co	Marissa
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Crown Coal Co Electric Eight & Coal Co Enterprise Coal Co Groom Pros. Coal Mr	Belleville o.	J. D. Schward J. Winchell, Richard Baillie	Dubois Duncan Mills	New Enterprise Coal D. Zihlsdorf, Carney Bros James Beatty	Marseilles
Enterprise Coal Co		Richard Baillie	Date Advances	James Beatty .	Mascontah
Co		Jacob Schmidt	East Peoria	J. Harding . Pat. McCarty David Walsh	Middle Grove Milan
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Chas, Drawyer	Norris	10	**	Vernuhon Sandstone C Kankakee Stone Co	o Danville Kankakee
Thos Cowling . J. Pierce & Co	North Alton	Un Julius Smath M Baldwin & Son	Steelville Streator	C. V. Chandler	Macomb
Consumers Coal Co	.O'Fallon			C. V. Chandler Henry& Walter Croxtor Robert Leaman Western Plaster Work	n Pegsantyiew Rockyille
Joseph Taylor Geo, Clifford	.Oneida	Marshail & Sunpkins . C. A. Munec		Western Plaster Work	South Chicago
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STONE, GRANITE, MA	PDI F AND THE	Samuel States	Attien	L. Hinan Joseph Mitcheil. E. Richmond	**
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78 Copeland st.	
Rouleau Bros	
M. Freedley	West Stockbridge
Capt. A. Crowell	West Yarmouth
J. S. Ballard.	Workerster
Evans & Co.	**
Fenier Chemical & Colo	
Co	
Norcross Bios.	**
Rutland Co. Marble Co.	
Troy Grande Co.	

## MICHIGAN

## COAL BITUMINOUS Cotomba Coal Co. Comma Hon W.C. Mayburg Detroit

71 Griswold st	
Grand Ledge Coal-	
Star Coal & Pire Cla	
New Coal Mining C	o darkson
Geo. Wyers	Lacona
Black Diamond	Coll
Mines	Sandstone
Capt. Win. W. Spair	dding Sault Ste. Marie.

#### COPPER

COFFE	-R
Senera Mining Co	Allonez
F. W. Hudson	Defroit
22 Walker Block	
Edw. Reeder	
Lort Junction av	
<ul> <li>Garden City Copper Co.</li> </ul>	Lagle Rayer
Mendow Mining Co	
Jacob Houghton	Hett_htett
Huron Minnig Co	
Isle Royal Mining Co.	
<ul> <li>Calumet &amp; Heela Mining</li> </ul>	
t o	Lacke Landen
Himon Copper Co	Lake Superior
Peninsular Copper Co.	
Latavette Mining Co	Ontonagon
James Mercer	

#### COLD AND SILVER

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David R. Pietce 210 Latined W		
Shipman Gold Mining &		
Manufacturing Co. 1 B. Wendell		

## CRAPHITE

Detroit Graphite Mann Hetroit facturing Co. 542 River st.

#### CYPSUM

Noble & Co Union Mills Plaster Co

#### IRON

Defroit Mining Co.	Defreit
to Witherell st.	
Wm J Gray	
Win J. Gray of Motlart Bidg.	
A I Bliss	1 Sagman
Nells & Stone	
The Sheridan Mining t	o Lacanaba
N Shight	Greenville
Northern Land & Man	012
£ 11	Hancock
Roth Mining Co.	From Mountain

Gibson & Mitchell Champion

NAME	POSTOFFD
E. Douglas Iron Mining	,
t o	Tronwood
Barnum Iron Mining Co	Ashbeming
ClevelandFromMiningCo	
New York Iron Mining Co	
Saginaw Iron & Mining	1
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Salisbury Iron Mining Co	
J. Peters	Manistee
Barassa Iron Co	Marquette
Davis Mining Co	
Dexter from Mining Co.	
Pitts, & L. A. Iron Mar	
ing Co	
Samuson Iron Co.	**
Waverly Mining Co.	Menominee
Toster front Exploring Co	Metropolitan
Groveland Iron Minne	
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Metropolitan Mining Co	
Sturgeon River Iron Man	
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Green Creek Iron Co.	National Min
The Platt Mining & Mig	
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Cull Iron Mining Co.	Norway
Curry Iron Mining Co.	4.8
S. T. Bligh F. V. Johnson	
P. A. Johnson	11.
Penn Iron Mining Co	
A. Perkais & Sons	**
John Sewell	
Lamatack Mining Co	.Opechee
Rinth & Raghel	Quintiesec
Riverside from Co.	Republic
Sagmaw Iron& Mining C	
	Stoneville
Crown Point Mining Gr	
<ul> <li>Pipe Option Mining Co.</li> </ul>	**

#### LEAD AND ZINC

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#### SALT

J. F. Potts, Salt & Lum	
berto	Vit zalde
Butman & Rust L. S. Fitch	Bay City
Folsom & Arnold	
L. Hall	
( I Lewis	
McEwar Bros & Co.	
Miller & Lewis	
Win Peter	
Robinson Salt & Lum	
LA Williams & Co.	
Brown & Ryan	East Steine
1 O & S L Fastman &	
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Laton, Potter & Co.	
Gebhardt & Laster or ook	
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Whitney & Batchelor Whitner Licetrical Co.	
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J O Worsey	Matine City
Midland Sait & Lumber	
H. W. Lond & Sons Man	Midland
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R C Oudvie	Pott Hope
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Mitchell & Metair	
Sagmay Limbs (A.Sah	
W F Stevens	
Stevens & La Dia	
Warnet & Lastman	
Wells Stone Co	
West Side Lumber Co.	
A. W. Wright Limber	
Nation Inc.	
Wylie Bros Bine & Laderach	West Bay C
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#### STONE, GRANITE, MARBLE AND ONYX

Alabaster Plaster Co.	
Babbett Stone Quarry	
Stone Co	Cases, He
Detroit & Marquette	
Brownstone co	Thefreit
A. A. Pariker	
g Champlain st	
R. J. Smelan	
55 Champlain st	

NAME	POSTOFFIC
H. B. Nease & Son	East Saginav
Alabastine Co	Grand Rapid
Grand River Quarries	
F. Godfrey & Co.	
Joseph Uroze	Houghton
Bennett Sewer Pipe Co	- Jackson
Jackson Stone Co	**
Excelsion Red Stone Co	Lansing
Lake Superior Red Stor	10
to	Marquette
Newport & Lake Sup-	1.
rior Brownstone Co	
Wm. Patrick,	
Goodall Bros. Stone Co.	. Muskegon
Kewcenaw Red Stonet (	
S. B. Bond, .	Stony Point
P. Grouse .	Welfs
Wm, F. Atkinson	Williamston

## MINNESOTA

### COAL BITUMINOUS

Freeborn Consolidated Coal Mining Co. Alden Gray Jacket Mining Co. Minieapolis Lehigh Coal & Iron Co., St. Paul

#### COLD AND SILVER

COLD AND SILVER
Montaina Precipitation
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am G & S M Co Benson Duluth & Yoya Scotta
Duluth & Nova Scotia,
Mining Co Dunith Higgins Wildeat Co "
Macombet Mining Co. 22
Minnesota Mining Co
Barry Lake Mining & Improvement (a
Silver City Mining Co. 19
Black Hawk Land & Min-
Hig Co Glemene Ben Hærison Gold &
Salver Mining Co. Granate Pal
Minnesofa Valley Gold & Silver Mining Co. Jordan Mining Co. — Jordan
And in Minney Co. Jordan
Stillwater Manna Co. Manneapol
United States Mining &
Vermillion Range Min
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Washburn Maning & Willing to
Maning Co. Montacello.
Sauk Erver Maning Co. Rachmond
Claricy Creek Mining Co. St. Paul The Yellowstone Placer
The Yellow Storpe Plateer
Laure e man's Mining Co Stallwater.
Mar tol Point Mining & Lumbering Co
Avalanche Minaiz Co. Aeradale
Home Gold & S Iver Min-
Wabasha Back Hoof
Mining Co.
Various Consolidated
Mining Co Winona
IRON

Hymaton One co.	Dayaba
Athens from Co.	Leabith
Atcharkota Itografio	
Boston Iron Co.	
Bradicy Iron Co.	**
Camden from Co.	
Carnegie Mining Co.	
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Clyde Minning Co.	
Columbia Iron Co	
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Iton & Land Co	
Cosmopolitan Iron Co.	
- Dayton Iron Mining Co.	

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Horton Mining Co Duinth		Geo. W. Day	Laddonia
The International Development Co	Dakota & Minnesota Stone Co - Jasper Luverne Gramte Co - Luverne	James D. Montague M. Cole	Lamar
fron King Mining Co	F. Meverding Morgan		**
Fron King Mining Co Fronton Steel Co Kanawha Tron Co	Carlston Bros. & Co. St. Cloud Northern Grande Co.	Andrew O'Malley	Lexington
Lackswanna from Co **	J. B. Robinson Portland Stone Co. St. Paul	W. D. Rankin & Co	tiberal
Lincoln Iron Co " Mallman Iron & Mining	Northern Granute Co J. B. Robinson Portland Stone Co St. Paul Granute Co T. P. Wilson	Lafayette Coult Co Andrew O'Malley W. D. Rankin & Co P. G. Boulware & Co C. J. Cameron	Directal)
Merrit Nickel Mining Co.	T. P. Wilson " Cameron & Co Sank Rapids	Davery Bros Philip Foulk	
Mesaba Central Land &		H. C. Hatlield	**
		John Perkins.	
Mountain Range IronCo		John G. Wilson Central Coal Co	Litchfield
Mountain Fron Co Mountain Range FronCo New England Fron Co. New York Fron Co	MISSOURI	C. J. Cameron Davery Bros. Pintip Foulk H. C. Hatheld. Lavery Bros John Perkinsen Control Vilson Control Control Mining Co. John Chim.	X I to the control of
Northern Light from Co	ASPHALTUM	John Chum,	Livingstone Lowry City
North Superior IronMin-	Gibson Asphaltum Co., St. Louis	Geo. Bacheldor	Macon
Obver Mining Co	North American Asphal- tum Co	Macon Coal Co T. E. Wardell M. Clark	Marceline
Northern Light 1701 to 117 170	tum Co U. S. Asphaltum & De- velopment Co Oriel Bldg.		
310Chamber Commerce	Oriel Bldg.	Wilburn Coal Co., C. H. Morgan S. F. Pike, South-Western Coal Co J. B. Williams Joseph Muriey Murley, Fitch & Harde A. H. Franks J. F. Gill	Minden Mines
Scenrity Iron Co	COAL BITUMINOUS	South-Western Coal Co	33.3
Sullivan Iron Co. Twin City Iron Co	Wascott Coal Mining Co. Amoret	Joseph Muriey	Moherly Montserrat
Twin City Iron Co Union Iron Mining Co	J. A. Vanec R. Graham . Auliville	Murfey, Fitch & Harde	Moundville
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1.1	Thomas J. Stanton W. C. Barton L. H. Saggs Peter Smith Clark Coul to J. W. Morris Black Diamond Coul to Brownington	John McCorkendale.	Norborne
Vulcan Iron Co Wahkootah Iron Co	Peter Smith . "	Win. Serivens H. T. Noble., F. M. Baller M. H. Lucas C. G. Wante	North
Vonnestown Iron Co	J. W. Morris	M. H. Lucas	. Osceola Pedro
Zenith fron Mining Co Paethe Mining CoFaribault	Black Damond Coal Co Brownington	C. G. Watte Benjamin Tarpley.	Putsburg Quitman
Athend Iron Co Mesaba	II. H. Stephens John Thompson & Co.	J. M. Wise Coul Co	Red IhB
Canton Iron Co	Walter Jones. Brown's Stat J. M. Cooley Cairo	J. M. Wise Coul Co tion Enterprise Coal Co Carbon Center Coal Mu	- Remek 1-
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Mesabic Mountain Iron	Redifer & Edwards W. A. Cox . B. F. Monday Clinticothe T. S. Cordon Columbia	Wm. F. Hudson	
Nelson Lands Iron Co	B. F. Monday Chiton	M. K. Martin	
Putnam from Co Allegheny Iron W. & M.		O. Spencer Sullivan & Cheney	
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442 Boston Block American Mining Co Anchor Iron & Smelting	H. B. Hobbs Deepwater Hobbs & White	JosephPickeringCoalCo	. Richmond
Anchor from & Smelting	Kay Coal Co John Park. Dunksburg	Atoka Coal & Mining Co Kansas & Texas Coal Co	St. Lons
Ashland Iron & Steel Co. "	John Park. J. S. Sermin, G. W. Strickland Hy Efferman J. G. MePeak W. H. Marce R. L. Bishop & Co. R. Landers Grapesythe Grapesythe	Madison Coal Co	
Henrietta Iron Co.	F. M. Elston & Co Liston	of Missouri	
Kamunistique Iron Co L. & S. Vermillion Range	Albright Bros Poster Hy Efferman	S. B. Cohen Jas. W. Gilmore	Steldon
Visiting Andrews Co.	J. G. McPenk	L. J. Rowe J. F. Aner	Slater
Minneapolis Iron Co Minnehalia Mining & Milling Co	S. M. Talbot R. L. Bishop & Co Fulton	W. N. Beard	
Milling Co 6GGuagantyLoantilds.	R. Lamets . "	J. Owen & Co	Springfield
Swan Lake Iron Mining	R. Lamers Salter & Co Warner Griswold R. Bobert Osboen J. B. Short W. A. Studhame Geo. Bain & Co Higher	J. B. Novinger D. A. Mayer & Bros Jack Riley Eli Zook	Stabl Sturgeon
Impered Mountain Iron	Robert Osborn Hardin J. B. Short Harusburg	Jack Riley	Sylvania
Co Northfield C. Brinkerhoff St. Paul	W. A. Stidhame.	Eh Zook  J. W., Johnson R. B., Wilson Grandy County Coul Co G. E. Defarmo Lanc & Love Andrain Manufacturi & Corl Mining Co Simuel F. Dutton C. W. Barks E. S. Downing Millon Every,	Taberville
342 Cedar St. Esta Muuna Co	Geo. Bann & Co. Highee Bonanca Coal Co. Higgmyille Jackson & Tangert E. B. Powell Coal Co. Solution W. Tale Farrar & Armstrong Hinne Ben. Fonk.	R. B. Wilson Grandy County Coal Co	Trenton
Licking Mining Co Pioneer Press Bldg	Jackson & Taggert	G. E. DeGarnio	Unionville
Marion a Trans Car	Rocky Branch Coal Co., "	Audrain Manufacturu	4.
Minnesota Iron Co Nilma Iron Co	Farrar & Armstrong Hume	& Coal Mining Co- Samuel F. Dulton	Vandana Virginia
Out Crop Iron Maning Co.	Ben, Funk. C. S. Wood Eureka Coal Manneg Co-Huntsville Huntsville Coal & Min-	Owen Coul Co	Vista Walkor
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Saint Paul & Duluth Munia Co Gormania Late Bidg.	ing Co		**
	Geo, W. Jones, " Thus Waddon "	Samuel Potter	
LEAD AND ZINC	Wm. E. Mitchell	T. A. Vadon	N
Quintuo Lead & Minnig Co. Wabashii	H. L. Rutherford & Sons	John B. Evans L. J. Wells	Warrensburg Windsor
	Lee Dantels. Across Auglo-American Cotton	J. H. Hightower samuel Potter J. D. Wright T. A. Vadon John B. Evans L. J. Wells F. H. Caton Hunt Bros	Worland
STONE GRANITE. MARBLE AND ONYX	Mining & Coal Man-		
Pag River Brown Stone	Huntsville Coal & Min- ing Co. Geo, W. Jones. Thos. Madden Win, F. Mirchell Mutal Coal Waning Co. H. L. Rutherford & Sons Lee Daniel Lee Burker of Coal Ming & Coal Win Bolent Coal Co. Fatners Coal Co. H. Hartman Hartman & Gilbert	Springer & Gardner	
Lake Superior Browns	Farmer's Coal Co	Vik. Coal. Fire Clay	LAY
Stone to Fortage Red Sand Stone	Hartman & Gilbert Missouri Conf. and Con-	Ark, Coal, Fire Clay Manufacturing Co	St. Louis
City, 17	Missouri Coul and Con- struction Co	COLD AND	SILVER
	Struction Co " Rocky Blanch Cont Co " Rusk Vining Co "	Augusta Mining Co 304 N. Eighth St.	St. Louis
A M. Shearus "Granite Falls Stone Granite Falls Granite Falls	Sunfrower Coal & Mining	Angrista Mining Co 304 N Eighth St. Nogal & Bonita Minin & Milling Co	4
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POSTOFFICE

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LEAD AT	AD TIME
NAME	posterfit E
American Zine Co	Carthage
Sections City Mining C	o Jophin
Rhodes-Barret Mining St. Charles Lead & Z	11, 1, 1, 11111111
St. Charles Lean & Z	St. Unar.is
Donnelly Lead Co	St. Louis
Secrit and Olive sts.	Co
Electric Lead & Zinc ara Chestnut St.	
Jack Mining Co	Webb City

#### MINERAL PAINT

Saline River Paint Co Kansas City St. James Mining & Minetal Paint Co St. Louis

#### PHOSPHATE

Whitaker Phosphate (o.kunsas ( ity 716 Delaware St.

#### SALT

Solomon Solar Salt Co. Kansas City 503 Delaware st.

#### SLATE

. 11. White St. Louis \$12 South Seventh St. T. H. White

## STONE, GRANITE, MARBLE AND ONYX

210ME, GRAMITE.	
M. L. Hubbbe	Automa
B. F. Reeves	Bourhon
G. L. W. Smith	
G. L. W. Shibiti	**
M. O. Taylor V. Rovers	Codar Grove
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Baldwin Bros	1114111111
Lopes & Sons	
Casey Granshaw Marbl	Kansas City
t o	Kansas e ny
George Dugan	
La Motte Granite Co	
Lyons & O'Connell	
Wine Courless	Liberal
Mont. Marble & Manu-	14
Offer Creek Granife Co	Mt Deseil
N. Baherts	
1 avident Marble Co.	South Comey's Ve
J. W. Allen & Son	St. Louis
4407 S. Broadway	
American Lathograp	ph
Stone Co	
304 N. Fighth St.	
American Ontx Co	
Central Stone Co	
Hogan & Morgan	
2424 Gartison av.	
Stitel & Buckett	
American Tupoli Co	Serioral
American requires	Steedy dle
W. H. Ferguson	
W A Meteall	Sv. mite.
Miline & Gordon	Welds City
O.P. Kerr	

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## COAL BITUMINOUS

Wm. Plangard Belt Creek Coal Co.	rascade Great Patts
A A Carrier	
Sam Dean Gault Coal Co	
Cameron & Replies	Littia
Jacobs & Co	
Robinson & Tittax Wm. Tasker	
P Santadors	Maraden
V Brodock	Malli 2.10
Willard Millegan	
W. J. Salisbury P. D. Laylot	New Chicago
H M Thomas	Bed bodge
Bear Creek Contto	Prof. (note).

#### COPPER

With Garety & Co.	Amaronia
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C. M. Daughetty	A to totalle

NAME	POSTOFF
Blue Line Mining Co	Elkhorn
Crow Chief Mining Co.	
Geneva Mining Co	
Rising Sun Mining Co.	
Gen. B. Conway	Glendale
Heela Cons. Mining Co	. "
Boston & Montana Mr	11-
ing & Milling Co.	tireat rams
John Sherling .	Heron
I. G. Simpson	Placer
L. Johnson	Sixteen
Nelson Murry	

L. Johnson		Sixteen
Nelson Murry		
Joe Smith.		
R. R. Cram		Whitehal
J. W. Gilkey		**
A. M. Hedicy J. O. Jordan		
John Newman		
J. E. Parish J. D. Pritchett		
Trank Shott		**

## COLD AND SILVER

	Vincenda
Almo Excluds	A VOID
Block P. Mining Co.	Barker
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David Copperheld Cold	
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J. W. Ohnget	
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111 - 6 - 61	Bozeman
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Broad Gold Mining Co. Gold Creek Carbonnie Chief Mining Co. Retex Consolidated Mining Co. Belea Consolidated Mining Co. Belea Consolidated Mining Co. Belea Co. Mining Co. Consolidated Mining Co. Min

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CYPSUM

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#### IRON

NAMI John Hay & Co Atlantic Mining Co August Mining Co F Modie Mining Co. Montana Central Mini	POSTOLED E Anaconda Clendenin Elkhorn

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#### LEAD AND ZINC

George Goss	Augusta
L. S. Goss	
Phil A. Manix	et actions
Black Hawk Mining Co.	Chellegarin
Dry Fork Mining Co	
P. H. Bughes	
Pride of the West Man	
Pusher Mane	.,
Silver Bell Mining Co.	**
Dillon Mining Co.	Dillon
Magnet Mining Co.	**
Polaris Mining Co	**
J. L. Allen	Glendare
H. W. Brown	**
David Ferry	**
Thomas Dean	Lownsend
J. P. Riley	

#### MICA

Meadow Creek Machener & Son

## STONE, GRANITE, MARBLE AND ONYX

STORE. CHARLET	
homas doves	Doutder
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#### ANTIMONY

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## COPPER

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## COLD AND SILVER

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John P. Neoly	
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Badger Manna Co	
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John Pate	

N / M F				TILEMENT.	
Standing Fil. Co.	POSTOLER Bullion	NAME	POSTOLFICE	NAME	POSTOFFICE
		J. J. Campbell F. J. Cowles & Co Archie Dorsey H. H. Harkless	Fort Halleck	C. M. Negman, White & Yount Bros P. Allard Frank Bradley Jas, Coleman E. Craine	Manse
Candelaria Milling Water Works Co Fred Corkhill	Candelaria	Archie Dorsey	**	White & Yount Bros	
Fred Corkhill		Victor McKelvey		Frank Bradley	Midas
Frank Gallagher		F.J. Potter		E. Craine	**
r ren Corknii John Corlett Frank Gallingher A Garrard Eugene Geriek Julius Goldner Endeard Cook		A. Her Lores A. Her Lores A. Her Lores A. W. Wilson H. Driver L. N. Sherwood Co A. W. Wilson H. Drisson February and February S. Her Lee House G. Her Lee H. Her L		Bart Croee W. S. Gage & Co M. Lemos	
Julius Goldner		H. Driscoll	. Galena	W. S. Gage & Co	
Richard Greer George Heward Charles Hill		Peter Anderson	Gardnerville	F. McGenry	**
Charles Hill	**	George Brown	on distant	P. Merten M. Merten	
William Hill S. L. McNaughton, John Nelson Charles Nelson Princess Mining Co.		Monarch Minne Co.	Genon	M. Lemos F. McGeary F. McGeary P. Merten M. Merten J. Morasei A. Plülips W. B. Shechan E. Trabul G. W. Venteh T. Bray Peter Yoolcock J. Plulips Chas. Wright Chas. Wright Chas. Wright	
S. L. Mc Valighton, John Nelson		Pay Day Mining Co.		A. Phillips W. R. Shooless	
Charles Nelson		Impered Manne co	Geyser Land 1999	E. Trabul	**
Jue Rayeron		Kentucky Mining Co	देवीतीमा। 	G. W. Veateh	
or Rayeroff of the Roberts E. Sanchez W. H. Thomas V. M. Ardory D. V. Bender Gro. C. Bryson pr V. Color V. Color	11	Silver Hill Minnes Co		J. F. Clarke	Mill City
W. H. Thomas	*1	Thomas Cornell	Hamilton	Peter Noolenek, .	. "
V. M. Ardory	Carson City	J. T. Crabbeau		Chas. Wright	
D. A. Bender Group C. Brygner		John Deholder		Chas, Wright Chispo Mining Co Montropper, Marian	Montgomery
A Colm		Austin Jacobson Louis Lam C. A. Mathewson Jerone B. Mathewso John Navea Payid Ross	**	Chispo Mining Co Montgomery Mining Co Woodward Mining Co R. Ghyass J. T. Williams Ferd Festamere H. T. Freudenthal Columbus Harris John Hulter J. G. Robbsson	( O, O
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P. L. Harrington	Columbia	Valley Mining & Willi	ing	George Buchanan D. Dobbs	Palisade
C. G. Ridd		John Corflex	Hicks	D. Dobbs J. Flynn	**
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J. M. Douglass & Co.		Willave & McDonald	Hollstook	Fermes & Gilbert	
Jaqua Brooks & Co		A C Pratt & Co		Clande Atchison	Panam
Wm. Mathison		J. Baldrece	Humboldi	Frank Atchison	***************************************
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		Upton Tracy		E. R. Withs	**
R. A. Riepe		Ver Mining Colls Si	Lincoln Landon	Namey Mining Co	Pittsburg
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St. Lazarus Gold M. & M. Co San Pedro			F. J. Fuller	Amberst Station
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		White River	J S Abboti	Dover
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Haywood Gold & Sdyer Mining Co Independent Gold & Sdyer Mining Co Overland Gold & Silver Mining Co Mining Co	Whitby Bros	11.1 11. 1	George & Longmard	
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Silver Mining Co	Leach & Storil		R. L. Virgiet & Co.	Fitzwillarin
Mining Co	Riddle Bros J. Choat & Bro	Willow Creek	Dunn Bros J. F. Uisher	
New England Cond &	J. B. Crandall S. B. Dvet		S. M. Follanshoe	
	J. Everts		D. T. Hayden & Co H. C. White Peter Dana	
Thos Bradley Sodaville A. L. Sanborn Augus & Bolle Spring City	J. Genry I. L. Hoppin		Peter Dana Huntington & Sullivan	Prankin
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	Olin N. Look Engle John C		Moline Benseslado Bitanen Bitoriano	
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W. K. Lyons Bloom	ungton M. B. Brown	Cerrillos	Justimano Garcio	**
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Traymore Phosphate	C. A. Whited Dimigrap And	mleta Cerro	Morsetmo Huneres Malma Juan de Jesus Manuel Samora Jose	
Rock Co Camel	en Dainteon Arel Jose La Luz / Pedro A. Gom Vicente Gome	Attenero "	Manuel Samora Jose	
SLATE	Pedro A. Gom Vicente Gome		Melquiader Mohna Jose Baea Liberato	
Jones & Williams La Fa Owens & Rowland " Staton & Jones "	yette Black Knight , J. S. Brown,	Mining Co.Chloride	Baea Liberato Baea Pedro Caemiro Lusero	
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Mutton, Anthony & Co. Newto	n Doglish & Day H. A. McGow ND ONYX W. Peterson	(1880h . "	Estohano Marques Jestes Marques	**
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M. R. Kinney, Andov Nork & Eittenbender - Belvid		Columbus	Cacunro Lusero Dinederio Marques Estoliano Marques Josas Marques Juan Rey Marques Ronodicto Marques Secundino Marques Secundino Martiner Rumaddo Mayo Armado Moina Elas Moina Jermin Moina	
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Mr Stephens Farm:		Apples.	B. Wills Wills Will Cotton G. A. Hammell. Ton Handel Hee Kurght J. Weeking J. Weeking J. Weeking J. H. Perking J. H. Perking S. A. Shelemburger Will, S. Sandish & Pine T. A. Tate T. W. Tate J. W. Worlen A. Wright George Wight J. E. Camera	Lake Valley
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Aztec Coal Co Galby Crown Point Coal Co		n , "	Ike Knight	
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Snydner & Kranker. Win E Weeks J. G. Barges W. H. Freeman E. M. Gardiner E. H. Mebouald Northern/NewYork/Manual Harmy Palmer Damel Peek J. M. Sparks J. Tiacey P. R. Wintney P. R. Wintney P. R. Wintney F. E. Alford An Subject John Simpor E. B. Alford An Subject F. B. Alford An Subject F. B. Alford An Vandover Stiffel R. Hockett UStel Blue Stone to W. H. Konta Dard, Larvielee P. Cockings Mrs. C. B. Murtay, Artsten Maribe to, L. D. Shanman Jas Befana. Hitam Answorth In J. Tyses Annermanifolosis (List Harm Answorth In J. Tyses (List Elbarkalbors Glameto Americanifolosis (List Elbarkalbors Glameto Elbarkalbors Glameto Elbarkalbors Glameto Elbarkalbors Glameto Elbarkalbors Glameto	Catskill Clarksville Clarksville Clafton springs Cobleskilt Coblemper Elmon Coblemper Elmon Garbatt Goodyeat Gooverneun	ing Co Doep River Mining Co. CORUN Acme Emery Wheel Co COLD AND Tyra Gold Co W.W. Davis Josse Morrs Houver Hall Gold Minin Hon, Joseph Morris, W. H. Roberts & Co John Stevens Win Carter The Emery Wheel Co J. E. Barrisol J. E. Barrisol J. E. Barrisol J. E. Barrisol J. E. Hallper J. L. Hallper J. L. Hallper J. L. Hyatt J. H. Sonthie J. L. Hyatt J. H. Sonthie J. L. Hyatt J. L. Hyatt J. L. Hyatt J. C. Dodson & Sons Mic T. A. Hall Donaman & Co. J. J. Hallper J. J. L. Hall J. L. Hall J. L. Hall J. L. Hall J. J. J. J	Jamestown  DUM  AWhester  SiLVER  Ben salem Eldorado  Board Hall Warten  Saleshux  Sylectansburg  Fox  Bunesville  Bunesville  Eld Fark  ton Statom Mocksville  Womt Very Pitot Mount  Asheville  Barter  Burnesville  Eld Fark  ton Statom Mocksville  Eld Fark  ton Statom Mocksville  Carbon Carbon  Asheville  Barter  Burnesville  Carbon  Burnesville  Burnesville  Carbon  Burnesville  Burne	BONE, GRANIE, M Bessehert City Mining Ming, Co W. P. Mills Grumin Brownstone Imp. Co In Jayor Johnston K. Elbott Johnston K. Elbott Johnston K. Elbott K. Elbott Johnston K. Elbott Jo	ARBLE AND ONYX  Ressemer City Beta  Carthage Chardeles Grove C
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Snydner & Kranker. Win E Weeks J. G. Barges W. H. Freeman E. M. Gardiner E. H. Mebouald Northern/NewYork/Manual Harmy Palmer Damel Peek J. M. Sparks J. Tiacey P. R. Wintney P. R. Wintney P. R. Wintney F. E. Alford An Subject John Simpor E. B. Alford An Subject F. B. Alford An Subject F. B. Alford An Vandover Stiffel R. Hockett UStel Blue Stone to W. H. Konta Dard, Larvielee P. Cockings Mrs. C. B. Murtay, Artsten Maribe to, L. D. Shanman Jas Befana. Hitam Answorth In J. Tyses Annermanifolosis (List Harm Answorth In J. Tyses (List Elbarkalbors Glameto Americanifolosis (List Elbarkalbors Glameto Elbarkalbors Glameto Elbarkalbors Glameto Elbarkalbors Glameto Elbarkalbors Glameto	Catskill Clarksville Clarksville Clafton springs Cobleskilt Coblemper Elmon Coblemper Elmon Garbatt Goodyeat Gooverneun	ing Co Doep River Mining Co. CORUN Acme Emery Wheel Co COLD AND Tyra Gold Co W.W. Davis Josse Morrs Houver Hall Gold Minin Hon, Joseph Morris, W. H. Roberts & Co John Stevens Win Carter The Emery Wheel Co J. E. Barrisol J. E. Barrisol J. E. Barrisol J. E. Barrisol J. E. Hallper J. L. Hallper J. L. Hallper J. L. Hyatt J. H. Sonthie J. L. Hyatt J. H. Sonthie J. L. Hyatt J. L. Hyatt J. L. Hyatt J. C. Dodson & Sons Mic T. A. Hall Donaman & Co. J. J. Hallper J. J. L. Hall J. L. Hall J. L. Hall J. L. Hall J. J. J. J	Jamestown  DUM  AWhester  SiLVER  Ben salem Eldorado  Board Hall Warten  Saleshux  Sylectansburg  Fox  Bunesville  Bunesville  Eld Fark  ton Statom Mocksville  Womt Very Pitot Mount  Asheville  Barter  Burnesville  Eld Fark  ton Statom Mocksville  Eld Fark  ton Statom Mocksville  Carbon Carbon  Asheville  Barter  Burnesville  Carbon  Burnesville  Burnesville  Carbon  Burnesville  Burne	BONE, GRANIE, M Bessehert City Mining Ming, Co W. P. Mills Grumin Brownstone Imp. Co In Jayor Johnston K. Elbott Johnston K. Elbott Johnston K. Elbott K. Elbott Johnston K. Elbott Jo	ARBLE AND ONYX  A Bessemer City Beta Carrhage Clandlers Grove Clandlers Grove Cownis Ford Drunsville Gulf McAdensville Gulf McAdensville Gulf McAdensville Gulf McAdensville Gulf McAdensville Gulf McAdensville McAdensville Waldesboro Whitter DAKOTA  DMINOUS Akron  A Commons

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## COAL BITUMINOUS

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## COAL BITUMINOUS

J. H. Burt	Akron
Dennison Coal Co	
Excelsion Coul. Co.	
W. A. Helter,	
J. S. Jacobs	

NAME	POSTOFFICE Akron	J. H. Earnshaw	19081 OFFICE Columbus	NAME David Williams	postorrici Kitchen
H. E. Loomis T. E. McCue	AKION	20 X 21 Board of Trad Haydenville Mining & Mfg. Co.	e official and	Reminger & Batch Peter Zimmerman	. Krumroy
J. F. Seiberling M. Seiberling .	**	Haydenville Mining &		Peter Zimmerman Zimmermann & Long	Lectonia
Superior Mining Co		May harrie bros		necker. Oregon Coal & Naviga	**
J. J. Waggoner J. Allen	Algonquin	Olno & Western Coal & Iron Co		tion to	Libby
J. Allen J. Allen Jos, W. Bracken Alliance Block Coal Co. Wm. & Gen. Battershell Wm. R. Elbott Aswahner Ame	Alliance	Sterling Coal & Color Co	Coshocton	tion Co Wm. G. Halbert, S. N. & W.G. McCullough	Lick Run
Wm, & Geo. Baltersheli	Amance	John Conley John L. Davis	**		
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firm Cord Co.	Athens	J. C. Arsel.	Creola	Enos Winters	
Reading Coal & Coke & Tile Co		H. Thomas & Co. Mrs. F. Morris	Cuyahoga Falls Dantord	enos Williers O'Neil & Tague, M & P. Fague, Mvers & Hall Bailey & Sociard P & Daugherty & Co.	McLancy
Barelie & Co.	Auburn	Mrs. E. Morris Lucy Coal & Mining Co Almsworth & Laizin	Dayton	Myers & Hall	Magadore Maholin
Northern Coal & Stone	Bannock	Almsworth & Laizin Jesse Ceeil	Deimison Deersville	Barley & Soegard 1: P. V. Danghetty & Co.	Manoini
Wm. Davey	Barnesville	Shister & Dickey	Damond	Thorp & Shipper	Martin's Ferry
E. Folmer & Bro R. H. Malden	**	Huston Coal Co Scott Coal Co. Orrin Ballon.	**	Thorp & Shipper Robert Applegarth By Helling Helling Bros Central Coal Co	
Francis Walton		Orrin Ballon. East Hill Coal Co	1Edlon	Helling Bros	Massillon
E. N. Boggs Glen Coal Co	Barton Bellaire	Was Callier	Doylestown		
Glen Coal Co John Musgreve Patrick Scalull Ratph Umison		Hy, C. Galchouse, Joseph Lesher Sand, Beal,	Fast Lewiston	Millport Coal Co Union Coal Co.	
Ratoh Urmson	Belost	Sand, Beal,		<ul> <li>West Mass flow Coal Co.</li> </ul>	**
Cooperative Cost Co.	Bergholz	Matthew E. Myers Class Hall & Son	East Palestine	Manusland Minnig 8 Manufacturing Co	Mamisburg
Velfow Creek Coal Co E. O. Cole Federal Mining Co	Big Run	Sand, Benl, Matthew E. Myers Chas Hall & Son John W. Smith Stratton, Hinkle & Strat		Unid Sauer Homas D. Scott	Middleport
Federal Mining Co Nathan Baxler	Bolivar	Stratton, Hinkle & Strat	Empare	Bowen Bros	Millershing
East Massillon Coal Co.	Bowerstown	Jerry Motrow	Limis	J. H. Harnster	
Vidrew Witson	Production	Clinfon Bethel, A. Conron	Plushing	Mast Bros. Edward Sharp	
East Massillon Coal Co. Andrew Wilson Etna Mill Co Bird & Conaway	in sign part	Hy Fisher C. W Howell John C Howell D. R. Humphries		t I Brothers Davis Coal Co	Materal Point
Boston & Porter Koelmline Bros		John C. Howell		Earldwin & Williams	Maneral Ridge
		D. R. Humphries		Earldwin & Williams Leccoon Maintig Co H. J. Hughes	
Pittsburg & Wheelin: Coal Co	4	Robt, Kirk J. H. McLesti & Co Uralin L. Steed			
A. Gilelinist	Brilliant	tralin L. Steed John White	Forrestdale	Jones & Cardliths D. H. Lewis	
Steanlidger From Co.	Buchtel	A C Cochran	Frazeysburg	1 No holas & Lo	
Frank Ray Nelson Bronson	Bucks	Jas. McCann P. E. Matana		Peacock Coal Co Warm Coal Co	
Addison Ingate Burr Oak Coal Co Burt & Hoopman	Burr Oak	A C Coeliran Jas McCann R. F McCann Jacob Nathan		Watkars & Daniels Wallams Coal & Iron Co	
Burt & Hoopman .	Byesyille	J. H. Morgan, Win, Good	Predericksburg Carfield		Manusyath
Buckingham & Tood Cambridge Coal Co	Cambridge	Garfield Coal Co	Gitard	Manufacillie total to	
	**	Morris Coal Co Tom Corwin Coal Co	tolen Roy	M netsydle Coal Co Thos Parket & Bio Zahl Salt Furnaer Co	
Scott Coal & Salt Co. Lis. A. Smith		Glenwood Coal Co	Glenwood Glouster	Joseph Devagat	Matienton
Harvey Gibbs	Canal Dover	Superior Coal Co Jos. Younker	Glouster Gold Beach	G. W. Horseholder John I. L. wher	
Robbins & Cochran. Scott Coal & Salt Co. Jas. A. Smith Harvey Gibbs P. H. Land J. G. Newman Penn Hon & Coal Co.		<ul> <li>Coulen Cooperative Coa</li> </ul>	Golden	Aus ph Devand G. W. Horscholder John J. Lawler Stephenson & Keek Staffert & Devote	N
Penn Iton & Coal Co		- Groendak Furnaci Co.	Greendale	J. J. Robertson	Monday Mt. Union
Cismond Samion.		Hy Tauries	Harlem Springs	A A Robertson Mores Co. Co Wm. Barbert	Marray Nelsonyalb
P. Stockdale Wagher & Worthington		James George A. Moorchead Jos. Hawes & Son		<ul> <li>Crutcher, Pather &amp; Wa</li> </ul>	
Wagner & Worthington Winz Bros		Jos. Hawes & Son	Hatmony Hawkes	Jumpet Bros & Lamp	
Hoover & Simmons Cook Coal Co	Canad Fulton	D G Delanes O L Hawkes Henry Dick J M Morrison G. L. Porter		that	
Domestic Coal Co	Candon	Henry Dick J. M. Morrison	Hopewell	man Maple Hits Coal Co Nelsonville Coal & Coke	
Henry Manuch		G. L. Porter			
Sun Coal Co V. B. Mullin	Cartwick			Nathan Pekett	
Huston & Paust	Carrellion	C N Chingain	Historid	W. Jack Mirods	
T. P. Moody James Trupp Stone Bros J. R. Brown		Isane Sellars C. X. Chugan Thos. R. Matthews Berry Wolf & Co.		New Phitsburg Court Co Nathan Phekett W. Jacob Ritrocks Jas Wilson & Son Woodand & Ferred	
J. R. Brown	Cedar Run Chapman	Wallace Barnheld & Co	Trendale Trenton	Shaspes & Ironpen Co., I Co. W. W. Morris Danis Ferality Janus Witzhi Central Manua Co.	Nexable
James Chambers		John V. Blackwell Geo. W. Finniger Jos. Gillard		W. W. Morris	Newconnerstown
Carbondale Coal Co Madeira Coal Co	Chillicothe	Jos. Gillard Solomon Gravel & Son		La Son & Wield	New Lexington
Conv Sampson & Co Consolidated Coul Co	← hurchill ← the innati			Central Mandia Co.	New Lashon
- David Barnheizet	• Incinnati • leveland	Lastence from Saulte		Lo	
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Flisworth & Morris Con	il .		Jackson	Sand Comments	
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N. V. & Olno Coal Co Olno & Pittsburg, Coa	il.	The Cornelia Coal & Ito		Brock Hill Coal Co North Bend Coal & Cok	No 4 Philade pr
Manageria		Franklin Coal Co.			
Oshorne Coul Co Osnaburg Mining Co.		Louis Gibson Hard Coul Co		L & H. Lamon	North Did 8513
J. H. Somer . Turner Coal Co		Kyle Cogli Co Mark, Landroni Vidrew Law		Philip District LX H Trippin Puts , Western X Lak Triet oal Co	Norwalk
<ul> <li>Tuscarawas Valley Co.</li> </ul>	ıl	Andrew Law		Trie Coal Co Llijah Rice The Filer Coal Co	
Valley Coal Co		John Law		The Filer Coal Co C. Haines	Palmyra Piris
Cowell & Posey	Coal Run	Lewis & James : James Newport Troppe Iron Co		W A Laylor	11117
W. S. Keever & Son Coalton Coal Co	, Coalton			W. V. Lavlor Franklin Walker ii W. D. Fletcher	Pendli ton
Holloway & Co W. E. Brooks & So (	Columbiana Columbias	Hattis Coal Co	Julis	J. David C.	Philo
<ul> <li>Columbus&amp; Faster (Cor</li> </ul>	d	Hattis Coal Co James W. Reed Wm. 1, Gallien, Sheridan Coal Co	Kilgore Killbuck	Sander & Stee Charter Oak Coal Co Inducy Mining Co	Potneros
tu	**	Sheridan Coal Co	Kitchen	Holoney Min n <sub>a</sub> € >	

NAME POSIDITION	NAME POSTOFFICE	NAME POSTOFFICE
	Calumet Clay Co Calumet Crown Fire Clay Co Canal Dover Anchor Trie & Clay Co Canton	E. H. France & Son Bloomville Kabler & Geiger "
Mrs. Mary Davis Durst & Heunessey Frank Hess J. M. Stynder	Anchor Tile & Clay Co Canton	Kohler & Geiger Ritzler & Greenwald Blufton
J. M. Strider	Champion Pottery Co . Empire	Bruce Hilton . Brunersburg Excelsior Sewer Pipe Co. Calumet
Austin Vortices Ed. Williamson	Anchor in Cast Valy Co. Champion Pottery Co. Empire Fire Clay Co. Empire Fire Clay Co. Malvern Newman Creek Clay Co. Massillon Newman Creek Clay Co. Massillon	C. W. Bodey .Canal Dover Kitzmiller Stone Co . Canton
Austin Vorhees Ed. Wilhamson Kelly Coal & Coke Co   Portland Station Samuel Tielding   Powhattan	Newman Creek Clay Co Massillon United States Fire Clay Co., New Lisbon	C.W. Bodey Canal Dover Kitzmiller Stone Co. Canton L. J. Kemerley Carey Carpenter Carroll
I F Ritchex Ridchill		Carpenter Carroll R. Stanzel Centerville J. S. Brooker Chambersburg
Adam Wyant A. P. Smions Redfield Martin Miller Roscoc	Ethia Fire Brick & Clay Oak Hill Oak Hill Fire Brick & Clay Co Standard Pottery Co Standard Pottery Co Standard Pottery Co Standard Pottery Clay Co, Toronto Ohio Valley Fire Clay Co, Waynesburg Brick & Clay Co Waynesburg	3, 8, Brooker Chambersburg Chagrin Stone Co. Chagrin Falls
Martin Miller Roscoc	Oak Hill Fire Brack &	Churches Sultz Chile
New York Crescent Min- Cong Co Roseville Roseville Manny Co	Standard Pottery Co Salineville	Christ Adler Chemnati Ashman A Glasgow
Roseville Mining Co " C Jos. B. Butler St. Clarryville	OlnoValley Fire Clay Co. Coronto	Christ Adler Ashman & Glasgow Billage & Marsch John Boyle L. C. Buente James P. Byrne Joseph Byrne H. S Collins
Jos. B. Jather St. Clarryville Jas. K. Mahman Robert Aud Angus Campbell David (a) Gordon & Stollsmith Joseph Market Manager Charles and James Manage	Waynesburg Brick & Waynesburg	John Boyle
Robert Audd Angus Campbell		James P. Byrne
David Cay	COLD AND SILVER	
	Four-one Mining Co Cleveland 32 Benedict	James Foster
James Sheen John C. Shemened	Hub Mining & Milling Co	Joseph Graft
Jas. C. Trotter	IRON	Isaaé Graveson Ham & Naigley
Jas, McKiltrick Salma	Geo, G. Allen Akron 8, J. Ritchie.	Ham & Naigley Hoosier Stone Co E. Howe & Son
Jas. McKittnek Salma Brown Coal Co Salmeville H. C. Huston	8, J. Ritchic. Thos. Fitzsminions. Antwerp	David Hummel
F. Jones	Thos. Fit/Summons. Antwerp C.C. Inick Anstantown Bellarer Xuil Works Bellarie Canton Mattenbie Front Cot auton W. W. Baldwin Cleveland Cisco Muning Co	John Kasperlein Kellinghaus & Kinssle
Ohox PennsylvaniaCoal	Canton Mallerible Frontier Canton	Joseph Kemper
Tas Strabley	W. W. Baldwin Cleveland	Klekamp & Steman
A. Clutts & Son Samsonville		C. Lang & Co Day of Weis
Washington Fornace Co. Hanna & Gabriel, Sandran	Coal & Iron Co Columbus King, Gilbert & Warner Saltee Mining Co Daylon	Accommentation at Masser Accommentation and Section at Company
Moss Bros. & Righy Senegaville	Saltee Mining Co Dayton J. C. Hamilton Dicksonton	Albion Stone Co Cleveland
A Baillie & Co Shawner Harry Day Sherodsville		
George Nett Shields Geo. Hess Steel	Beltonte Iron Works Aronton	The Diamond Portland
Kind Bros	Baird Hon Co Beltonic Hon Works Lindsay Kelley One Fron & Steel Co J. B. Campbell. J. J. Culbertsook Co	Frank Co Stone Co
Martin A. Roon	J. B. Campbell Radehill J. J. Culbertson & Co	J. W. K. M. H. Gale Haldeman Stone Co
Olno Coal Co	A. J. Underworks of Andrew Hagerty Thomas Hagerty R. D. McWannad James Pietre Finkney Pietre Jackson Sharp	Wm. Lacy
W. G. Longoger Thurman	R. D. McManigal	Wm. Lacy Malone Stone Co Forest City Stone Co Wittenmeyer Stone Co Columbia
Davis & Thomas " Thus Evans "	James Pierce	
Davis & Thomas Thos, Evans Elk River Lumber Co John McKinley Uhrgelisville	Jackson Sharp	D. Davis Conesyille
John McKinley Chrichsville Ritson & Goms	Chara Institut & Co. Remoel	R. H. Law Conotton Wm. Devor Cook
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Ritson's Goms Mis, T. Hamilton's Son Wadsworth Burns & Lisk Wakeup G. W. Hodges Wales F. D. Jones		Ches December Coversion
	LEAD AND ZINC	G.W. Butt & Son Covington Stone Co Leesville Stone Co Lawrence Furnice Co Culbertson Lewis & Talbot Stone Co, Bayton
English Cannel Coal Co Warsaw T. R. Lewis Washingtonville Griffith & Wank Waynesburg	Bay State Lead & ZineCo, Mansfield Mansfield Lead & ZineCo.	Leesville Stone Co Crestline
W. O. Sunugton	MICA	Lewis & Talbot Stone Co. Dayton
	D. G. Palmer Geneva	Huffman & Renner Dean Campbell & Hazelton Delaware Monarch Coal Co Dennison
Riverton Coal Co		Monarch Coal Co Dennison
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John Met ullough	Cleveland Iron Ore Paint Co. Cleveland	M. D. Blue . Dunham Knowles, Taylor & Au- derson East Liverpool
Andrew Rowley J. H. McDonald & Son - West Austintov Blanche Coal Co - Willisville	n - Iron Clad Paint Co Oino City Metallic Paint	McDevitt & Moore
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Andrews Bros Youngstown Harrison Coal Co	SALT	Coming Buff Stone Co. Elyria Frank Eschruth Win. Walsh S. F. Gilbreath Fallsburg
Home Block Coal Co Poland Coal Co A.O.Jones Brick & Terra		S. F. Gilbreath Fallsburg
V.O.Jones Brick & Terra	United Saft to Cleveland	Hirshei & Son — Findlay E. Bonar — Flag
Cofta Co Zanesville Abram Linery	Zahl Salt Works	P. Dennis Flatrock Berting & Dickman Fort Jennings
Anderson Evans	New Philadelphia Salt Co. New Philadelphia White Euck Salt Works, Ponerov	Jas. Chancy Frazeysburg
	sugar Crock Salt Works, Canal Dovet United Sait Co.—Cevedand White Rock Salt Works Vamersville Zait Salt Works Vow Philandelphilassalten, New Philandelphia White Rock Salt Works, Pomeroy Zaht Salt Works	Aus. Chamey Mmor. Porter & Co. M Coe & Sons. V. Chadzuskt Backeye Stone Co. Chamber & Gallon Chemo Brownstone Co. Gomer
Chas Frampton Chas II Gallagher John J. Granger	STONE, GRANITE, MARBLE AND ONYX	V. Chudzinski Fremont
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	Sheldon & Mc William Bellance	Guidelsperger & Selig
	H Moon Belle Point	Christ Herr
FIRE CLAY	H Moon Belle Point S A. Moon O Reche Benient T b Doherty Bettsville	Joseph Kinzer Jesse Kudder
Akton Stoneware Co. Akton Calumet Fire Brick Co. Calumet	T is Doberty Bettsville S R Armstrong Black Lick	Jesse Kudder E Schmedlin
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F. D. Smith	Independence	NAME Penn. Mining, Manufac		NAME McLune & Monroe Milwankee Mining Co	Granite
Standard Gas R. & F. B	 Ironton	turing & Supply Co.	Toronto		
Globe Furnace Co. McKitterick Bros	Jackson	J. O. Drem Columbus Brick & Fire Clay Works	. Union Furnace	L. D. Jewell Emma Mming Co Win, A. Fisher Preston Armstrong Elmer Boyce H. C. Brown Win, Crawford	Hames Hardman
Star Furnace Co . Tropic Furnace Co .		vare Agur		Preston Armstrong	Harney
Hingh Bros. & Bangs	Kelley's Island	8. Brown Enos Rasor	Venice Wadsworth	Elmer Boyce H. C. Brown	
M. Kent M. P. Chambers.	Kent Kingston Centre	Enos Rasor Geo. Atcherson J. N. Kipner	Walnut Grove Warsaw	Wm. Crawford W. R. Cranard	
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J. J. Crook A. H. Snoke Geo. Burnett	Lenvittsburg	C. Dodd G. Lorb & Son James Emmett	Waterville	R. Claypool 1 J. Dant Lewis Foster	
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Joseph Lyndecker	Lithopolis	Carksheid Stone Co stephen Borgan John Ryan W. M. Ryan S. A. Moore Lames Reancy Joseph Smith L. Halberson	· · · · · · · · · · · · · · · · · · ·	F. P. Moore	
Joseph Lyndecker Hocking Clay & Mann facturing Co.	Logan	N. M. Ryan S. A. Moore	White Sulphin	Jo Morris Jus Peal	
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F. M. Coopiek.	Lunion Pans	L. Halbeison	Willow	M. F. Williams	
Fred Deeter. George Kerr		Highland Stone to	Wilson	do, Woorley Sterling Mining Co	Jacksonville
W. F. Ogleshee,	Lumbertown	Tuiting Bros Robert Stewart Robert Stewart	Windsor	Sterling Mining Co J. I. Breeden J. Custor & Son Kiessling Bros	Murphy
& P. Co	Malvern	Robert Stewart	Windsor Wills Wolf	Kiessling Bros	**
John Evans	Marion	tox, Morris & Howells Joseph Davis	Vottorestown	Kiessbug & Anderson O M Knox	
A 5 Laves	Massillon Melvin	Youngstown Paving Brick to		V Schranp W T Drags	North Canyonville
Early & Carson C. H. Clark	Mesonolamia		Zaniesville	> (,b)o)	**
Whetmore, Robinson 7 Cu	Middlebin_	Emety Abraham I vans & Dunweiler S. I. Fibott V. O. Jones	Zittle SCHO	1 I Goodralge P H Osher Geo H Marston	
Defroit, Hocking Valle	Millyille	V O Jones		John Mahan	Pendleton Preasant Valley
J. A. Elliott	Morning Sun	1 B. Townsend & Co.		John Mahan Bhock Butt Cons Q nek Silver Min ng U	Portland
R & B, Co J. A, Elliott Sch. Cramer Jacob Fossett	Moscow				
David Iver Olno Sewer Pipe Co	New Lisbour			H. Burt Colville Maning & Deve	
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J. S. Coxes	Newman	COAL BITU	MINOUS	taild Friek Managet of Maneral Hall Managet of Shearer & Howell	
J. S. Coxey G. N. Kolfar Lowry Baker Ugank Cope	New Philadelphia New Waterford	Castle Rock Mining Co.	Post and Prostect	Manual Hall Mining Co	
Lank Cope	Willerhold	George Cicinents		Shearer & Howell Thatles Betwalach	Pragret IV
L. H. Rhodes	North Springheld	COLD AND George Benson	Millions	Chartes Helmadach C. W. Metrad Real & Batts Renchent & Davis Fucky Poy Min (2) to	
Jefferson Furnace Co. Ohye Furnace Co.,	Oak Hilli Olivi Finnace	Charles Johnson	CHAI HIS	Rencheart & Davis	
M. R. Braumun	Osholli	W. A. Johnson Wittiam Wek iv		Uncky Boy Maring Co., Wall O. Brown	Pynevalle Radhes
Cogswell Bros Benj, Deroll	Parma Perryopolis	C. 4. Russ La Larrage		Will Q. Brown Thos. Dvr H. P. Edzie	
W. Fairall D. Cirele.	Perrytown Pleasant Hill	teant & Matray Wm. Mullen	X+(1-)(11)	With Hardship	
Fied Deeter	Pleasant Ridge	Multin Lattleheld Co. L. Barnet		Harister Bros Harmon Bros	
J. K. Galloway		L Barnet S Berry	1.500	Harmon Bos R. M. Mote Noah Bowe's	Bark Point
D. F. Irwin Black Diamond Fix	Plymouth	> Corporater		Hootings Cart	
Brick Co C C Bode & Son	Portsmouth	t Collier Jerry Densy		Hosmet Amberson & C A. L. Bassett	
Portsmouth Fire Buc	k	L. Larmer Jake Wallen		A. I. Bassett Good W. Lance & Co. Geist ive Phol	
Reitz & Co J. S. Nixon		H. Rathgen D. Schools		Let Prefer W. Preformten N. R. thet Yo. V. Wilson	
J. S. Nivon Thomas & Gardner	Rehoboth Runer	I II Blake Geo Borman & Co	Balson Cas	N R Det	
Thomas & Gardner J. A. Brougher Joseph Inboden & Son	Rockbridge	J. M. Boyd		1000 Uh2 Co	Ryc Valley
	Salem	J. M. Boyd Lous I. Cook Logenzo Durkee		And tempery Lame	
Salem Stone & Lime Co Salineville - Cooperativ - Manutacturing Co	e ·	1 Lenv i M Loster		Manifest o	Bosburg
Manutacturing Co Kunz & Johnson	Salmeville Sandusky	Indiana Mining Co		I. D. Frans Montgomery Junice, — Mintre Co. Mintre Co. Mintre Co. March & S., John Win, Parco. J. J. Rosco, Co. D., & Brown Fransk Metec. K. J. Martin, Jungally, Myers.	Still S Value
Kunz & Johnson Charles Shoepfle U.B. Lon	Satda	Joseph McKay C. Miller		Wm. Payo J. I. Rowe & Co	
Murray Bros Scioto Star Fire Brick (	Sarna	Joseph McKay C M.Ber Wm Mulkey John Palmer J H Parker J P Paul F F Varight Value Mining Co White Swan Menna Co D A Driventil		D., & Brown Limb Marin	Sanger
Sciolo Star Fire Brick C E. J. Ford	o Scioloville Scotts Crossing	J. H. Parkei		k d Martin	
John Burns	Scott Lown	J. P. Paul F. P. Vanght		Joseph V Myers W Adde V Sharmed	Sparta
D. Barens G. H. Summer	Shreve Smith Road	Virtue Mining Co. White Swan Minnest of		> Barnatel O > Buckland	
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R Maxwell John Brown George F Frey Moores & Co Samuel Taylor	South I would	A Howe's A Barnhart	Bradgeport	And Cook W. V. Denneson Henry Gleson G. Hacker Hugh Jones	
R Maxwell John Brown Goorge U Frey Moores & Co Samuel Taylor Willard & Crichton	South I nelid Springboro springheld Steece	A Howe's A Barnhart	Bradgeport	And Cook W. V. Denneson Henry Gleson G. Hacker Hugh Jones	
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Janney & Taber. Charles Runbal	Sumpter	Joseph South . W. W. South Chas, Stewart E. S. Taylor A. D. & F. M. Spencer Thomas Mitchell & Son Monarch Coal Co John Pugh & Co Hornor & Poborts	Dunkard	Fairview Coal Co.	Meyersdale
Charles Rimbal T. Cameron	.Uniontown	W. W. South Chas Stewart	**	Millwood Coal & Coke C Althort Coal Co Abe Hayes Coal Co	O.Millwood Minors Mills
LincGin		E. S. Taylor		Abe Hayes Coal Co	Monongahela City
J. Harris A. B. Hopkins, Joseph Johnson & Co.	Waldo	A. D. & F. M. Spencer Thomas Mitchell & Son	Dummore s. Fast Brady	Watson Coal Co Thos. Gillett	Moosic
Joseph Johnson & Co.		Monarch Coal Co			
P Lallenbaugh Thos. Senior		John Pugh & Co Horner & Roberts.	Edwardsdale Elizabeth	Wm. Springer Thos. Fuge Bear Ridge Coal & Col Co	Morrisdale Mines
D. Slagle Horace G., Fitch		I I Reado	Elk Lick	Co	Mountaindale
Horace G. PRefi	Woodville	Chamberlain & Shaw John J. Engle E. T. Hay. Elias Hershberger		John Gwin & Son Wray & Co	
IRO	N	E. T. Hay.	**	Wray & Co S. S. Bickel & Co Moorewood Coke Co	Mt. Carmel Mt. Pleasant
Oswego Fron & Minning C	o.Portland	B. Jones		Thos, Buttimore	. Mt. Pleasant . Moyer
Wm. Darkis R. M. Kelly	Waldo	J. B. Kenn		Martin Detwiler	
		B. Jones J. B. Kenn N. B. Kenn Joseph Patton, Dennis Wagner	**	Thos, Jones W. R. Jones Jas, Turner Jos, Waraw	Nauticoke
PHOSP		Dennis Wagner	Paris and and	Jas. Turner	
E. D. Phelps	Gold Beach	Cameron Coal Co W. L. Scott Company	Emporium Eric	FairmountCoal&front	o. New Bethlehem
SAL	т	W. L. Scott Company Enterprise Coul Co. Little Redstone Coal C Chartners Block Coal C	Excelsion	Middle Lehigh Coal Co	New Boston.
S. C. Hamaker	Bonanza	Chartiers Block Coul C	o.Fayeue Cuy o.Federal	A. M. Franks	. vew Geneva
		Hy, Fiorshelm	A HIRCAVILIE	FairmountCoal&TronC Middle Leligh Coal Co W. J. Coleman A. M. Franks James Hess D. E. Kalston V. Co.	"the an Auto
STONE, GRANITE, M		Olno& PennsylvaniaCos Co	Fitz Henry	B. F. Keister & Co Clearfield Batamanor Coal Corporation Cymbia Coal Co	. Owensdale is
Mountain Line Co Watts & Hatton	Applegate Clackamas	PortRoyalCoal&Coket5	o. Frackville	Coal Corporation	Peale Plate Land
Watts & Hatton Frank Duprat	Pendleton	Lawrence & Brown J. L. Mitchell .	Gallitzen	411 Walnut st.	Philadelphia
A. Peyard J. H. Robbins	**	Passmore, Burns & Co Beech Creek Cannel Co	Glen Campbell	Ellerus Clas Coul Co.	. **
A. U. Grove OregonPaying & Con.C	Portland	(10)	Gien Richey	Harvey Coal Mining Co	1. "
OregonPaying & Con.C W. H. Cole	0, 1	Arona Gas Coar Co	Greensburg	251 S. Fourth st. Harvey Coal Mining Co 335 Walnut st. Wm. D. Jones	
W. H. Cole B. T. Bull	Wilderville	Greensburg Coal Co Harrison Gas Coal Co.	**	Kenova Coal Co	"
		Hempfield Coal Co Mutual Coke Co.		333 Walmit st. N. V. & Middle CoalFiel	
		Yellow Run Coal Co		Ry. & Coal Co. 228 S. Third st.	
PENNSY	LVANIA	G. G. Stage Provid. Ton. V. Canalogi	Greenville	228 S. Third st. Phil.& Boston Petrolem	
ALUMI	NILM	Broad Top & Cambri Coal Co	Harrisburg	Co	
Georgia Banxite & Mir		Chest, Creek Coal & Cok	e Hastings	Co 709 Walnut St.	Phillipsburg
mg to	Philadelphia	John Shedden.	Hermitage	J. M. Bacon Thos, Barnes & Bro Q. P. Jones	
506 Drevel Bldg.		McFettidge Bros. J. M. Calde	Hides Hooversville	Q. P. Jones Geo. J. Manner	
COA	L	J. M. Calde, F. F. Clark Cyrus Ladir L. A. Meyers J. Walter,	Hooversville	Geo. J. Magee Samuel E. Pfontz Santord & Duncan John Walton	**
Clipper Coal Co.	.Allenport	Cyrus Lohr L. A. Moyers	**	Santord & Duncan John Walton	
Altoona Coal & Coke Co	a.Altooira	J. Walter.	**	Samped Erambarech	Phonix
Chas, A. Hughes Jones, Sunpson & Co Pierce Coal Co Clemnore Coal Co	. Archbald	A. Dodsou	Hopewell	t . W. Ellenberger Geo, Bangert	Pine Grove
Pierce Cogl Co	. Armsbury	<ul> <li>Bays Town Branch Cor</li> </ul>	d	Atcheson Coke Co Hartley & Marshall Ohio Sewer Pipe Co	Pittsburg
Blossburg Cog Co	Atnot	Co Samuel Murphy.	Hontzdale	Dha Sever Puc Co	
Avoninge Coal Co	Avoninore Bakersville	United Colleries Co Wesley Fisher		Pacific Coal Co	**
Centre Coal Co	Belletonte	Al. Gardner.	Idayille	110 Diamond St. Benublic Coal Co	14
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Coke Co,	Belle Vernor	Sieger, Osborne & Co. J. C. Hayden & Co. Jeddo Tunnel Co	Jacob's Creek Jeansville	Content States Fire Ca	,
Graham Orl Co Gumbert & Huev	Bag Cove Tannery Blan	Jeddo Tinnel Co Glenwood Coal Co	Jeddo	Vista Coal Co	 Pittston
Gumbert & Huey Isabella Furmee Co	Blairsville Blossburg	Jas. Brooks	Jermyn Johnstown	C. C. Bowman C.S. Cram J. H. Moiser	**
Jacob Jones B. Braznel	Biossburg Braddock	- Cambria Iron Co - J. C. Corter	0	J. H. Moiser	
The Pittsburg & North		Fulton & Cuddy		Thos, Waddle	
western Coal Co A. P. Isenburg John B. Reed.	Bridgeville Brisbin	Fulton & Cuddy Jonathan Horrocks Eben James		David Schooley Thos, Waddle John C. Haddock Thos, Barnes	Plymouth Ramey
John B. Reed.	**	Chartiers Valley Coal Co Hilldale Coal Co	closit	Reynolds & Lane H & Burghman	Red Bank Furnice
S. S. Brown. Lake Life Gas Conf Co.	Buena Vista	Hilldale Coal Co	Jones Station Tearthans	H & Burghman	Redman Mills
Frank Patterson Youghogeny River Co.		Mortimer & Co Spear & Cowan	a athors	Denning Bros Flowery Field Coal Co Tyler & McTurk	St. Clau
Lin		Spear & Cowan W. G. Payne & Co Glen-White Coal & Lun	Kingston	Tyler & McTurk Thompson & Heatt	
O'Neil & Peterson	Bunola	herto	Kittaining Point	McChire Coke Co	Scottdale
Geo Lisle & Sons J. W. H. Cook	Camden Canonsburg	James G. Henry James Methore	**	McChire Coke Co Brookside Coal Co TheChamberlandCoalC	Scranton
Fushie, Blanchard & G D. S. Cupp	ot ar boundalie	John Furner Jr.,		1 HUECH COHECO	
John Hanah	Casselman	Geo. M. Davis. John W. Davis	Lanstord	Win Connell & Co Delaware - Lackawanie	
J. P. Hostetter A. J. Shultz,		Laker T. Williams		& Western R. R. Co	
A. J. Shudtz	t langete an	ground a stitutions			
Kirkland, Fisher & M.o.	Chartiers	Glen-Winter Gal & Lun- bert G. Henry James McClure John Turner Jr., Geo, M. Davis, John W. Davis, John T. Williams Ligorier Coul Co. Bagdad Conl Co.	Latrobe Lecclibure	- Pairfawn Coal Co., Ltd. Greenwood Coal Co.	
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Kitkland, Fisher & Mar Shall Courtney Coal Co (Jabob Coal) Co Jabeles Son Coal) Co Jacob Whitman II C Frick Cole Co W P Sullwagon Issue Faylor .	Chewton Coal Bluff Coal Centre Coal Gene Cogan Station Connells ville	Leccliburg/CodXCoket/ Vicy Melhare A. B. Myers Robert Peoples C. R. Wetheran Pat Leahy Win. Miller Bolivia Corl & Coke Co. Fred Bland.	Lagoner Lagoner Lathy Lastonburg Lockport Lovikyute	Nay Ang Control Providence Coal Co Ezia H. Ripple Strauch & Williams Tripp & Co Llewellyn Nagle & Co Mineral Rathood & Min	**
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		N' 1 T I'	POSTOFFICE	NAME	POSTOLLICE
NAME Grawer & Madill	POSTOFFUE Snow Shoe	NAME Darlington & Bowers	New Bloomfield	Robert R. Jones & Co	Slatington
Grawer & Madill T. Markedick Dunglebarger & Co	Sturgeon	Elis Fisher	Newport	Kern & Fuller	**
Dunglebarger & Co	Tamaqua	Marshall Furnace Co., .	Nickel Mines	Luzerne Slate Co. G. McDowell & Co. Meadow Brook Slate C	
Michell & Shepp Phila, Coal & Iron Co Central Connellsvill Coke Co		Capt. Chas. Doble Jos. Wharton		Meadow Brook Slate (	H, ···
Central Connellsvil	le	John Barkle.	Orbisoma	Metropolitan Slate Co.	
Coke Co Redstone Oil, Coal Coke Co Spring Hill Gas Coal Co Blair Bros Elizabeth Coal Co	Tarrs	T. C. Vanzant Peter S. Duncan	Ore Hill	Metropolitan State Co. E. B. Neff & Son. Slatington State Co.	**
Coke Co .	Тиресаное	Peter S. Duncan Cranberry Improvemen	it	Washington State to	
Spring Hill Gas Coal Co	a.Turtle Creek	Co.,	Philadelphia	Sterling Slate Co G. G. Williams & Co.	Walimtport
Elizabeth Coal Co	Lyrone	Dufford Mining Co. 1415 N. Seventh St. Kalion Chemical Co.		Allentown Slate Co.	Wannamakers
MIRCHELL OUR VEORGE	1,	1415 N. Seventli st.		J. E. Williams & Co.	West Bangor Wind Gap
Youngstown Coal Co	 . Umontown	Predmont Mining 8 Smelling Co		Allentown State Co. J. E. Williams & Co. Harding, Rennel & Co. York & Peach Botto. State Mtg. Co.	in and starp
Lid Unifed Coal & Coke t o J. Cochran, Sons & Co.	. United	Smelting Co	Pittsburg	Slate Mig. Co.	York
J. Cochran, Sons & Co. Joseph Laughrey	. Vanderbilt	Portstown Iron Co Warwick Iron Co.	Potistown	STONE, GRANITE, MA	RBLE AND ONYX
Osborne, Seager & Co.	Venetra	Moses Gundry, Lewis Lamp, Leghorn Mining & Mar ulacturing Co.,	Pricetown		
Hallock & Stevens John Cheury	Vernon	Lewis Lamp. Lephorn Mining & Mrn	1-	Jones Acker. A Dankel	Alburtis
John Cleary Jonathan Allison	Washington	ulacturing Co	Reading	Montoni Onarry Co	Mdemia
A. A. Allison J. D. Flowers Robert Hoskinson.		720 Centre av	Rednigton	Uniform Stone Co. J. J. Barry,	Allegheny Allentown
Robert Hoskinson.		Wilson Averill	Saltillo	Crin Bros	
John Kennedy		Wilson Averill James Wills J. A. Hook	Shade Cap Sligo	E Schaff	**
Thos. W. Sayers. Frank Stewart John Zook Thos. Fancet & Son Hanna Bros.	0	Saucon P. Ronig	Topton	Young Quarry Co. Linux Welsh Levi Knott	Minima
John Zook		Sameon P. Konig Topton Furnaces a	**	Levi knott W. L. Shellenberger	
Hanna Bros	Webster West Brownsville	N. G. Benniger Juneata Minuserto	Frexlettown Tyrone	Bughtbill & Son	Annyille
		Jungata Mining Co R. Hoover	Woodbury	Bughtbill & Son Hathaway, Putnam Funplepaugh Dwis Lemon.	Δ
Geo, Jones & Co. Stanor & Co.	West Elizabeth West Newton	MIC	•	Lumple parign Dewis Lemon.	Atatal Auburn Foin Cor-
Stoner & Co West Newton Coal Co					nets
Advance Coal Co The Algorigum Coal Co	Wilkes Barre	John D. Smedley	Linux	A. G. Morris & Co John Brooks Amos I wing	Avondale Baker's Landing
Cabin Creek & Kanawh	a	MINERAL	PAINT	Amos I wing	THE STATE OF THE S
Coal Co		Montandon Liberty Part	ıt	Haam Heks . J. L. Hallowell	Bethayers
Conyugham & Co A. J. Davies		to Blackwell Paintto	Montandon	Bock Hill Granife Co.	Bethlehem
A. J. Davies Haddock, Shock & Co.		Keystone Paint Co.		Holmes & Stevens Breehb II & Webbert A. M. Leidich	Formingham Forling Springs
The Kidder Coal Co Langeliffe Coal Co		Rutherroad & Barelay	Phdadelphia	V. M. Leidich	
Midlothian Coal Co.		Die vol. Eldg Pittsburg from Paint G	Pittsbing	John Lewis,	Brodbecks
Grassy Island Coal Co	Winter			Win McKinney	
T. J. Wood	Woods Bun	SAL		A M. Cedich John Lewis, George Hogg Win McKinney W. P. David & Co. Henderson Maride Co.	Budgeport
F. Armstrong	Wenulville	Alicabeny Salt Co., Lb	d Etim		
FIRE C	LAY	Allegheny Salt Co., Lib Lehigh Salt Mining Co. 28 S. Third St.	r arrano ipina	G. M. Coon. I. Satton	Cuiton
Monongaliela Lue Cla	1	Pennsylvania Salt Man- taeturing Co	1	Lotetroit & Beedleri	Carbondale
to	Beaver	Pittsburg Salt Co	Pittsburg	W.S. Harrah,	
COLD AND	CHASE	SLAT		A Harrah.	Casselman
COLD AND				J. Hostether Adam Lepley	
John P. Scartt P. O. Box Jos Willside Maning Co	Pattsburg	- Black Juamond Slate Co J. Keath & Co	CAquashicola Bangor	Isaac Ivahi V O J. O. Deshoug	t hambersburg Chester
Millside Mining to	Linkhannock	J. Keath & Co. Monarch Slate Co.		Shirt Isba & Co., 151	
		Nett & Houck New York Slate to West Bangor Slate to		John Dver Was P. Cor	Chester Valley
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Win, Paterson &co	Bladen & Harris Cedar City	T. R. Griffith . West Pawlet O. R. Jones & Co
Will, Paterson & Co. 8, M. Reed E. B. Roberts, A. P. Young	L. Babeoek	SOAPSTONE
A. P. Young	James Burraston " L. Harris	Union Soapstone Co., Chester
V.A. Calicon Mr. Pleasant	J. Harris L. Holiday Elias Molyneux, Win, Paterson & Co	
A. Calhoon Mt. Pleasant Jonas H. Lriksen Jas. Lemont	Elias Molyneux.	STONE, GRANITE, MARBLE AND ONYX
Hickman Minn, Co., Neibi		Jas. G. Brown Barre Forsyth & Ingram
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ing to oggen	W.A. Start John Yates A P. Voling B Young Usekman Mining Co. Nephi	Jones Bros
	B Young	S Kimball " J W. Wagoon "
William Sulfivan	Hickman Mining Co. Nephi Nebo Mining Co.	Monthmental Granife Co. 12
Jas Applebe Ophir Banner Mining Co Backer Bros	Nebo Mining Co Park City Daly Salver Mining Co Gleicoe Mining Co	J. B. Taylor R. B. Godfreys Bennington
Barket Bios "	Glencoe Mining Co	Bardillo Marble Co., Corona Marble Co. S. I. Goodell & Co. Neshabe Marble Co.,
Leank Buck	C. W. Bennett Salt Lake City Joe Spitz Stockton C. Whitting	S. I. Goodell & Co
D. Chisholm Chloride Fami Minings o	C. Whitting	A C Oron "
V. A. MacDonald	SALT	Thaver & Simonds "
Monarch Minning Co	Hot Springs Salt Co Ogden	Trojan Marble Co Burlington Mining Co Burlington
Northern Light Mining Co	Utali Saft Co	Burlington Mining Co Burlington Plint Bros & Co Centre Butland L. C. Hutchinson Chester Depot
Oplin Hall Mannig & Mills	Redmond Salt Co. Redmond	W. M. Cattues   Fast Pages
Peter J. Pollock "	Inland Saft Leds Saling	Veitmont Red Sharer or Pair Harris
Isaac Roland	Jeremy & Co. Salt Lake Galserite Co.	Gay Bros Vermont Red Slate Co. Fair Haven J. I. Batterfield Gatton Continental Marble Co. Manchester
Utah Gun M & M Co.	Syracuse Salt Co	
Morats Maning Co Park City Park City Mining Co	Utali Forwarding Co J. E. Hull & Co Springville	Co . Middlebury Cutter Mathle Co.
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E. P. Fletcher Middlebury	Righbands Elmt Class Co. Bioldands	Virginia Stud Iron V
Excelsior Granite Co Montpelier	Long Creek Co. Richmond The Southern Coal &	State Co . Richmond
Granite ConstructionCo.  Florence & Wakefield.  Marble Co Luttsford	Iron Co	Westham Granite Co . "
	James R. Steel Co. 22	King Mining Co Roanoke United States Minieral
Clarendon Marble Co Rutland	Virginia Steel, Iron &	westhan Granute Co King Muning Co United States Mineral Black Paint Co
Carrick Bros, Granitet o.St. Johnsbury	901 E. Main St.	VZ. Cavaeristi Rural Retreat Columbia Marticle &
R. W. Laird " Kent & Root South Dorset	The Southern Coal & Iron Co 10 S, Vinth St. James R, Steel Co Virginia Steel, Iron & Slate Co 901 E, Main St. King Exploration Co Penns M ania Zine XIron Wes	Onyx Co
Kent & Root South Dorset Tyrel & Kent Bine Mount Granite Co. South Ryegate	Mos	Washington Marble Co. " Holston Salt & Plaster "
Clark Bros . West Dummerston American Marble Co. , West Rutland	Mf0.8 H. Griffits Rye Valley H. B. Hull R. L. Nelson	
American Marble Co., West Rutland	R. L. Nelson "	Palmer, Carpenter & Co.
A. G. Bardin Dorset Marble Co	Mag Co Salem & Craig Mining & Salem Manganese Mining Co Seven Flats Reverly Ontario Front Co-Shenandoah	SULPHUR
Orville Marble Co	Manganese Mining Co. Seven Flats Beverly Ontario Iron Co. Shenandoah	Arminer, Salphur Mines  Folersville
Sheldon & Sons	Endeers & Dent 9	Co. Folersville
The state of the s	W. & M. Peery Tagewell	
	savernake Steel & Lin plate to Trifford	WASHINGTON
VIRGINIA	Bull Run C & I Co Wattenton	ALUMINUM
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COAL	LEAD AND ZINC	Mt_ Co . Spokate
Belle Hampton Coal & Belle Hampton		COAL BITUMINOUS
Hon Co Gene Bandston R. A. Ayers Big Stone Cap J. B. Singleton of Letcher " D. K. Taggart Blacksburg Win A. Bell Blacksburg	tden Muts Parytes Co., Marion	District and the second
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Allegheny Trading Co. Clitton Forge Farmville Coal X Iron Co Farmville Midlothian Coal Muning Mallothian	PHOSPHATE	R. B. Sym (200) Motive literat Maning Co.
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J. R. Keister Priess Fork P. P. Shepperd Priess Fork	Maning Co. American Fert Co. Gosport	Profession Control Profession Control Profession Control Contr
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IRON	Lind Co Locket & Co Railcony Lap s Kanjob Bros Blacksburg	X M Luz Co Kalama
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Win C G Myers Alleghany Mining Co - Ultron Forgo-	A REMINI L. D. S. P. LID	Entirbust Maring Co. U. H. Schemister
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ing Co International Manna Co. 20 Green Block Josephine Mining Co Katahulm Mining Co Missoulia & Last Chance M Co National Mining & De-	NAME POSTOFFICE  Jesse Williams Dodgeville	Samuel Launder & Co. Pollard, Goldschwartz &
Josephine Mining Co		Co
Massault & Last Change	COLD AND SILVER	Rule & Goldsworthy . "
M Co	O. P. Rounds & Co. Belle Centre Eastern Alaska Mining	Wm. Stevens & Co Geo, B. Treglawn & Co, Wm. Batsleck Meckers Grove
National Mining & De-	Co Cumberland	Win. Batsleck Meckers Grove
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Eagle Mining & Milling	Fire Center Gold Mining	H. Jinkins
Pareka Mining Co		J. Jinkens T. Liddell
Enreka Mining Co Nettie Mining Co Fidelity Trust Bldg.	Mining Co Emstern, Maska, Mining	A. Slack A. Vickorman Wann Co
Trojan Mining Co	& Villing Co . Stevens Point	Wann Co
Trojan Mining Co Washington & Nevada " Mining Co Vancouver	Security Gold Mining Co. Superior Silver & Refut-	Geo, Whilkson
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J. McKelvey & Co. Washington Bar	Northern Chief Mining Co., Wansan	P. Wonn "
		R. Young
MICA	IRON	Young & Schackell . Milwankee Arthur & Rink. Mineral Point
G. A. Rogers Asotin	Columbia Mining Co — Alma N. Palist Iron Mining Co. Ashland	L. L. Jackson & Bros
STONE, GRANITE. MARBLE AND ONYX		P. Wohl J. Young K. Young K. Young K. Young K. Hink K. L. Jackson & Bros Wm. Perry J. Tony & Lang T. Choulthwa & Co.  Legy & C. Legy Legy & Co.  Legy
i i reconner - New Whateom	Champion Mining Co Champion Mining Co Darlington Davis Bros Dodgeville East Superior From Parker	T. Choulthwa & Co . New Diggings
Denny Clay Co Seattle	Detroit fron to . East Superior John Hayes — Iron Ridge	Leary & Co
Denny Clay Co. Seattle Idaho A. M. & Mfg. Co. Spokane Spokane Pressed Brick	John Hayes Fron Riege Finekeye Mining Co Marmette	W. Redfrane & Co
John I. Long Tenino	Big Creek Iron Co . Mauston	San Frisco De Bornea Minner Co. Oshkosh
A. Robertson & Co	Detroit fron Co. John Hayes Buckeye Mining Co. Big Creek Fron Co. Arrigon Mining Co. Arrigon Mining Co. Arrigon Mining Co. Arrigon Mining Co. Bessenior Consolidated	1. Chodiffiwa X O
	Armenia Munica Co	N. P. Batley Plattevine Duodale & Bass
WEST VIRGINIA	Fronto "	A. Richter
COAL BITUMINOUS	Tron Co Britannia Mining Co	MINERAL PAINT
	Buffalo Wanng Co Jamean Wanng & Manu- facturing Co	Winters Metallic Paint
Boggs' Run Mining Co. Boggs Flat Top United Coke	facturing Co	Co Iron Mountain
to Branwell Cedat Grove Consoli-	Minerva Tron Co Morning Mining Co Penon Mining & Milling	Co. Tron Mountain Ricketsons Mineral Paint Co. Mistalia Paint
Abstract 4 april 4 as 4 COURT OF DAYS	Penon Mining & Milling	Conordan Metallic Lanti
Preston Lumber & Coal	Danning of Wales Mile Lo. "	to. North Freedom
Crown Hill Spint Coal	Queen Mining Co	STONE, GRANITE, MARBLE AND ONYX
Co Crown 1111	Snowdon Tunnel & Min-	C. P. Biggs Appleton
Nathannel Bush Critis & Gaston	South Buildo Minner Co.	Fred Blesner Arcadia
T. M. Gaston	Star Timmel & Mining Co. (7)	Leir Crouch Baraboo
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Joseph Punning Blawks Nest Farmson Splint coal Co Huntington	Wilmington Still Mining	Ansobuty A Co Cedarburg
Wheeling Wining &	San Domingo & Hay Tim-	
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COLD AND SILVER	Tylers Fork Iron Mines Plummer	P. F. Hardy Durand
The Baltimore Mining	L'Sophin Mining Co Rolla Bonguza Mining Co Shullsburg	R. H. Emerson Etna Emanuel Burnett Ft. Howard
Co Charleston	Biwabik Fee Fron Co Superior Northern Chief Iron Co Wansan	Wm Emnesin
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Alderson Land & De-		A. T. Wickhain
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Porbes Carmichael & Co.	A. L. Bishop & Bros — Beefown F. Bowliam & Co	Hamilton & Phelps. Kaukauna
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Principle Currace & R. M. Co. Wheeling	Wm Hutelicrott & Co.	
Whitaker from Co	A. M. McDonald & Son., "	Hadheld Co E V Fammack Madrson C Gerger Marlie Head Mayville Lune Works Mayville Solin Zeller Mazo Manne William Mayor Marketon Mayor Mayor Marketon Mayor Mayor Marketon Mayor Mayor Mayor Marketon Mayor Mayor M
SALT	1 Morrison & Co.	Mayville Lime Works, Mayvine Solin Zeller Mazo Manie
Hartford City Salt Co - Hartford City German Salt & Coal Co - Mason Hope Salt & Coal Co	J. Smith & Co., L. Sturmer & Co Warden Bros	P. Noolan Miffin Milwankee
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STONE, GRANITE, MARBLE AND ONY	. Not Index & Lo BodgeVille	tique Marble Co
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W Diggan Benwood	High Owens J. P. Smelker D. O Williams F. W. Wilhams Henry Williams T. T. Williams Holder Williams Henry Williams Henry Williams Henry Williams	MonarchStoneQuarryCo. " Story Bros. National Home
John Collins Kanawha City J. D. Gardner	E. W. Williams.	Story Bros National Home Wm. McDonald New Richmond Russell Bros.
A to Morris Kentneysville	T T Williams	Hall or Pros Paul
II W Flagg Estate Min-	R. Kemienty.	L. Litteman, Press. Shebovean Fall
d Geneer saftes	Methure Bros Lorder	Peter Benyer & Son Spring Green Superior Jasper Co. Superior
Magnolia Marble Com-	Orr & Co Jopan Leadmine Maragro Leadmine	B. McGrant Trempealean
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POSTORFICE A. F. & L. Manegold Rapher Co W. Stoll Wanwatosa

### WYOMING

#### COAL- BITUMINOUS

Lawrence Hollywood Bonanza Buffalo Fuel Co. Diamond Coal Co. Buttalo W. H. Holland D. C. Hickman Cokeville Heinan Hotman. . Consolidated Coal Co. of

Wyoming. Hains Fork Coal & Min Hams Fork

ung Co Wm. Holwell - . Inyan l Lander Coal Mining Co Lander Invan Kara

#### COPPER

POSTOFFICE NAME T. A. Hadsell & Co. Elk Mountain Kilpatrick Bros. & Col-New Castle hns.. M. Dillon Rawlins
Rock Springs Sam Fletcher . J. Ludyington ... Matt Muir ... Geo. L. Young

## COLD AND SILVER

White Star Mining Co Bullalo Cheyenne Mining Co Cheyenne Duamond Developing Co. Alfred Mingrest Elk Monutain Corbon Investment Co Make Hanley J.Herman, Kidd & Franeier Geo Jackson. II Hadey

Coo Jackson, Hancy Pete McKay... J Jack McTurk " I H. Peck " I. K. Westfall ... " Black Ia ttes Manng Co Inyan Wara

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E. B. Bulkey. Inyan Kara Maning Co J. D. Russell Harry Burk Bay Eyans Miners Delight Frank Lenne Macy & Ross Frank Neft D. D. Wolft

#### CYPSUM

Rocky Mountain Plaster, Stucco & Mrg. Co. Leah

## IRON

R C Mager Rawlins MICA

#### thus, Frederick Pairbanks STONE, GRANITE, MARBLE AND ONYX.

Jas Mills R. W. Burkhart S. W. Downie Clas Caild & Son Predmont



## LIST OF

# MINING COMPANIES AND OPERATORS

## DOMINION OF CANADA

(SEE ALSO SUPPLEMENTARY LIST)

## BRITISH COLUMBIA

#### COAL BITUMINOUS

LOCATION OF MINE. NAME OF COMPANY OF INDIVIDUAL LIBRARIOS OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STORK RAILWAYS WATER ROUTES NAME AND RIND OF MINE ANNUAL OPTICAL IN TONS OF 2000 POPNING, KIND OF POWER USED. AND SHIPPING POINT COAL DREAKERS, WASHERS, CORO OVENS, AND NAME OF MINE SUFFRINDENDENGEN exp. Distrater

Ry and P. O. Victoria 96, 253, 552.

Crows Nest Pass, Victoria, Crows Nest Coal & Mineral Co., Ltd., Victoria, B. C., 4. Fort, st., Col., James, Barker, prest., T. B. Pein, Ry and P. O. Victoria, E. Detton, seey. T. D. Peinberton, treas., Cap. 8tk, 85,000,000. Crows Nest. berton, seey

Vancouver Nanatino Ry, Departure Bay 552.

East Wellington Coal Co., San Francisco, Cal., U.S. A., 507 and 56 Last st. Spiets, prest. W. Whitney, seev. R. D. Chandler, tress, and mgr. Cap. 8th 8500,000. Tast Wellington. Shifts, 550,000. tors, steam. Win. S. Chandler, spipt.

## COPPER

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT

AND DISTRICT

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE NAMES OF OPERALS STATES, SALES NAME OF MINE KIND OF ORE, KIND OF MINE ANNUAL OFFICER IN TONS OF 2004 POLINIC, KIND OF POWER USED, PURNICES, FIG., AND NAME OF MINE SUPERINTENDENT.

Texada New Westminster - Texada Gold & Sever Mining Co., Nanamo, B. C., P. O. Fox, 21. J. W. Statton, prest. - Africal Raper, soci. (P.O. Nanamo (R. 552). - Thos. Jones. Trans. - L. Prest, mgt. - Cap. sik. Szegere. - Northern Spv. copper. - Shatt. developing.

#### GOLD AND SHAFR

BAITWAYS, WALLIS BOUTES AND SHIPPING POINT.

and District

NOTE OF COMPANY OF IMPRING ALL LOCATION OF PRINCIPAL DEFICE. NAMES OF OFFICERS, CAPITAL STOCK, NORE OF MINE, KIND OF ORE, LENGTO MINE AND OFFICER TO SO IS OFFORDS, KIND OF POWER USER, STONE MILES, LIC., AND NORE OF MINE SUPERINDENES.

Amsworth Kootenay W.: Montreal & Kootenay Mining Co., Ltd., Montreal, Que., 50 St. Planetos. Naver St., E. B. Greenshields, Ry, 96. Proceedings of Proper, seey and treas. Redhard Irwan ingr., and Supt. Cap. Stk. 820,000. Lain O Shantlet, sixter. Shatt, Lainel, Toctories. End.

Neasho Maning Co., Scattle, Wash., U.S. A., F. H., Coc., prest, J. P., Erdlor, seev., L. R., Dawson, treas M. W. Wallace, mgr. and supt. (Cap. 8tk, 85000). Neasho, silver. Shatt. 199. (hand, developing Revelstoke Mining Co., London, Eng. 31 Fombard st. F. C. L. R. C. Boyle, prest. W. A. Bailey, seev. and Iteas, J. Campbell, ingr. and supt. Cap. 8th sep. 00000. United, silver and lend. Smatts, 600 consections, prec. hand.

Backerville. Asherott 96 125

Cariboo Black Jack Quartz Mining Co., Ltd. L. A. Martin, prest, and mar. Win. H. Phelps, seey, and treas. Cap. 8tk, 8120000. Black Jack, gold. Shart and fininel retractory, steam and water.

James Times. Forest Rose and St. George, gold. Placer. Invirunta-

Slongh Creek Mining Co., Tacoma, Wash J. U. S. A., Hotel F.Je., W. H. Lite, prest. J. M. Omre D. Greis C. Ramos, mgr., Cap. 8th, 8500,000. Slongh creek, gold. Shaft and fining l. developing.

Victoria Amalgamated Hydraulic Maning Co., Pinkerton's, gold. Placer, deep

Chuton

Ry. Asherott 96

Waverly Hydraulic Minuig Co. J. B. Mason, prest , J. Stone, seev, and treas – J. Pomeroy, mgt. Waverly gold. Placet, hydraulic, Cariboo Bonanza Mining Co. F. Bell, seey. Bonanza, gold. Shafts and framel. tree: developing a

1.300

	GOLD AND SILVER (CONTINUED)
LOCATION OF MINE, RAIN WAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PERIODIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUT IN TONS OF 2,000 POCKDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPPRINTENDENT.
TOWN AND DISTRICT.	
Comox . Vancouver Ry. Nanaimo 253, 552.	E. Præst. Venus, gold. Shalt, free; water (developing).
Fairview Vale Ry& P.O. Sicamous 96.	Wide West Mining Co. H. B. Dexter, prest.; F. R. Kline, secy.; M. C. Sharpneck, treas.; H. W. Bowen, mgr. and supt. Wide West, gold and silver. Tunnel and open pit; tree; steam; 6 stamps.
Golden (Kootenay (East) Ry. 96.	H. C. Hannsut & Co., Toronto, Out., King st. W. Vermont Discovery, silver and lead. Tunnel (developing), Donald G. Forbes, supt.
	Thunder Hill Mining Co., Ltd., Victoria, B. C., Jewell Block, Douglas St., J. Nicholles, prest.; W. H. Bain-bridge, seey, and treas; James Brady, mgr, and supt. Cap. 8tk, 8500,000. Thunder Hill, gold, silver and lead. Open pd. 15,000 tons, vicam.
Hixon Creek Cariboo (P. O. Quesnelle) Ry. Asherott 96 (210 m.).	Blue Lead Hydraulic Co. G. B. Clarke, seey, and treas.; James Reid, mgr. Cap. stk. \$100,000. Blue Lead, gold. Placer; hydraulic (developing). Maurice Davis, supt.
	Quesnelle Quartz Mining Co., Ltd. James Reid, prest.; W. A. Johnston, seey, and treas. Cap. stk., \$300,000. Gold and silver. Shatt: tree and refractory; steam; 5-stamps.
Hope Vale Ry, 96.	Shuniah Mining Co. Shuniah, gold and silver. Slope; refractory; water (developing).
Illicillewaet Kootenay Ry, 96.	Lanark Consolidated Mining & Smelting Co., Victoria, B. C., 48 Langley st. Thos, Earle, prest.; Geo. A. Sargison, seey.; N. P. Showden, treas. Cap. 848, \$200,000. Lanark and others, silver and lead. Shaft and tunnel; steam, land developing).
Keithley Creek . Cariboo Ry. Asheroft 96.	Hayward Mining Co. G. A. Veitz, seey, and treas.; M. Kerr, mgr, and supt. Cap. 8tk, \$50,000. Hayward, gold. Placer, hydrauhe.
	John Irving & Co., Victoria, B. C. (Cap. \$20,000). Victor, gold. Placer; hydraulic. J. N. Jensen, supt.
	Mina Placer ( o. J. S. Bell, seey., treas, and supt. W. Duquid, mgr. Mina Placer, gold. Open pit; water (developing).
	Peters & Ward. Gold. Open pit, placer.
	Vancouver Enterprise Muning Co., Ltd., Vancouver, B. C. (Capt. Malcolni McLeod, prest., R. A. Anderson, seey, and treas. Cap. stk. \$25,000. Vancouver Enterprise, gold. Placer, funnel and shaft; hydraulic.
Nanaumo Vancouver Ry, 552.	Mmerva Mining & Milling Co., Victoria Crescent. B. Raper, prest.: A. Raper, seey, and treas.; E. Priest, ang., and supt. Eureka, Twin Brothers and Minerva. Open pits and shaft, free and refractory; hand developing).
44	Texada Gold and Silver Mining Co., Victoria Crescent. J. W. Stiton, prest.; Alfred Raper, seey.; T. D. Jones, treas.; E. Priest, mgr. and supt. Cleopatra, gold and silver. Shaft; refractory; hand.
Osoyoos Vale Ry, Kandoops 96.	International Mining & Milling Co., W. C. Kineaid, prest.; J. C. Kineaid, seey.; B. M. Spinning, treas.; R. A. Brown, ingr. and supt. Cap. stk. \$500,000. Vulcanic Mountain, silver and lead. Tunnel; hand.
	Spokane & Great Northern Mining Co., Spokane, Wash., U. S. A., 38 and 319 The Rookery. H. C. Walters, prest., H. M. Hoyt, seey., A. B. Keeler, freas.; C. F. Lee, nigr. Cap. stk, \$2,000,000. Gold and silver. Tunnel and shaft. The and retractory, steam, stamps developing.
Pentieton , Vale Ry, Sicamons 96,	Okanagon Mining Co., Spallumcheen, B. C. Capt, Shorts, mgr. Cap. 8tk, \$2,000. Okanagon Mineral Claim, gold and silver. Shaft, tunnel, retractory; hand (developing).
Quesnelle Forks Cariboo Ry, Asheroff 96.	South Fork Hydraulic Muning Co. A. C. Knight, seey., J. K. Barker, mgr. South Fork, gold. Placer: hydraulic developing).
	Vactoria Hydraulie Mining Co., Ltd., Victoria, B. C., 30 Broad St. Win, Wilson, prest.; W. D. McGregor, seey, and treas., John Hepburn, mgr. and supt. Cap. slk. 800,000. Coquette, gold. Placer; water.
Revelstoke,Kootenay(W.) Rv. 96.	Thomas Downs. Sardeaux Chief, gold. Tunnel; refractory. C. Holten, supf
Try and	Kootenay Smelting & Trading Syndreate, Ltd., London, Eng., 31 Lombard St. L. R. C. Boyle, prest.; Wm. Bailey, seey.; John Campbell, mgr. and supt. Cap. 8tk. \$200,000. Silver King, Terrible, Monarch, Emma, Bine Bell and Alice, gold, silver, lead and copper. Tunnels, refractory; steam and hand othereforms.
	Ross & McDonald. Gopher, silver and lead. Open pit; free; hand.
	P. M. Walker. Great Northern, silver, lead and copper. Tunnel, retractory (developing), C. Holten, supt.
Stanley Carrboo (Pl. O. Van Winkle) Rv.Asheroft 96(200 m.).	Albion Mining Co., John Petidles, seey., Win, Wormald, mgr., Albion, gold., Placer; water,
	Chisholm Creek Co. A. Johnstone, seey. Chisholm Creek, gold. Shatt, water,
	Clark Mining Co., David Allen, prest., Archibald Johnstone, seey., John Cameron, mgr., Gold. Shaft; hand (developing).
0	Dambar Flat Hydrauhe Co. K. L. Lee, mgr. Dambar Flat, gold. Water.

W. W. Houseman. British Empire, gold. Shaft, water (developing).

Laura Mineral Co., Archibald Johnstone, seey. Laura, gold, silver and lead. Shaft, free, hand (developing).

E. Perkins, Perkins, gold. Tunnel and shaft; refractory and free; hand, arrastre.

South Wales Lease Co. South Wales, gold. Slope and shaft, deep, water and hand.

Sminy Point Mining Co., John James, prest., Louis A. Beedy, seey., A. Johnstone, treas.; G. P. Miniroc, mgr., Sminy Point, gold., Shatt, deep, placer, hand.

Willow Mining Co., Orrsville, B. C., 73 Columbia st. – Josiah Rowe, prest.; George Monroe, seey, and treas.; Frank Hont, mgr. – Gold. – Tunnel, hand.

Texada New Westminister, C., R. Millar, Cap. \$10,000. Nigger Baby, gold. Shaft, refractory and free, water and hand (developing), (P.O. Nanamio dty. 552.

#### GOLD AND SHIVER (CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Town

Vale Ry. 96. NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE NAMES OF OFFICERS CAPITAL STOCK NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND DISTRICT

Tevada NewWeshmnister Tevada Gold & Silver Mining Co., P. O. Box 21. J. W. Stirton, prest.; A. Raper, sery., Thos. D. Jones, (Continuol). Treas., E. Priest, ingr. and Supt. Surprise, Little Gein, gold and silver. Shaft, tunnels, tree, hand.

Ry. Sproat 96. Vernon Ry. Sigamons 96.

Trail Creek, W. Kootenay | Le Roi Mining & Smelting | Co., Spokane, Wash., U. S. A. | Geo, M. Forster, prest., J. N. Peyton, seey., By, Sproat 96.
J. W. Binkley, treas. | Cap. 8tk. \$2,500,000 | Le Roi, gold, copper. | Shatt, tunnel, deep. Yale, Main, Hendricks & Wood, Cap. stk. 85,000. Hill Discovery, gold. Placer, sharts, water. C.C. Main, supt.

Vale Queen Mining Co., Front St. Benj. Douglas, prest., Win. Teague, seey., freas, and mgr. Cap. stk. \$20,000, Queen, gold and silver. Tunnels, 40 tons, refractory, water. Thomas Rablin, supt.

Lewis Stenger, New Whateon, Wash., U. S. A., 2022 Thirteenth st. Old Sol and Last Chance, gold and idatmon. Tunnels obveloping. olatmom.

#### HRON

LOCATION OF MINE RAILWAYS, WALER BOX 11-8 AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE ANNEAL OFFICE IN TONS OF 2000 FOUNDS, KIND OF POWER USED, BLAST LUBNACES, LTC., AND NAME OF MINE SUPERINTENDENT.

ext. Instruct Tows

Kamloops Yale, Glen Iron Mining Co., Ltd., J. W. Mackay, prest. J. Ogden Grahame, seey, and treas., T. d. Fulton, mgt. Cm. 8tk, 856000. Glen Iron, besseme). Slope, 4500 fons. Ity 96

#### LEAD AND ZINC

LOCATION OF MINE. RAILWAYS, WATER LOT ITS AND SHIPPING POINT.

NAME OF COMEANY OF ASSISTED AT LOCKED SOFT TRANSPRICT OFFICE SOFT OFFICERS, CALIFFE STOCK NAME OF MINE KIND OF ORE, KIND OF MINE ANNUAL OUTPUT IN TORS OF 2000 FOUNDS, KIND OF POWER USED, SMELTERS, FIG. AND NAME OF MINE SCIEBLY PENDENT.

AND DISTRICT Tows

Amsworth, W. Kootenay, D. W. Clark, "Lady of the Lake, lead," Junnel shaft, hand Rv. 96

Golden , .East Kootenay Golden Mann, & Smelling Co., Ltd., Calgary, N. W. 1er., Canada - H. B. Alexander, prest and mgr Ry 96. P. Met arthy, seey, and freus - Cap. stk., 840000 - Golden lead and copper developing

Hillettieward 12v 36.

Kootenay, Boyd & Bain Co., Dunnegan Mane, lead and copper. Shatt, tunnel, slope, free, leand, developing

## PLATINUM

LOCATION OF MINE. RAILWAYS, WALFE ROPTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE NAMES OF DEFICERS CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2000 POLNIS, KIND OF POWER USED, AND NAME OF MINE SUIERINGENDENT

OND DISTRICT.

Cramite Creek IN . 36

Tows

Vale Julameen Improvement & Hydraulie (c), Eld. New Westmanster, B(c), 9 Sixtle st. Josef Atmistrona-prest. Walter J. Walker, seey, and freax, Win, G. Thempson, mgr. Cap. 8th, 869,99. Julameen platfumn. Placer, hydraulie eleveloping. Albert Wells, suph.

## OUICKSHATER

LOCATION OF MINE. RAILWAYS, WATER ROLLES OND SHIPLING POINT AND DISTRICT

NAME OF COME ON OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALLO, STORE NAME OF MINE, KIND OF ORE, KIND OF MINE ANNUAL OPPOLITION LOSS OF 2 OF POUNDS. KIND OF POWER USED, AND NAME OF MINE SUPERINTENDENT.

Alberm Rv. 552

Aancouver Scachart Quicksilver Mining Co., Victoria, R. C., Vafes St. (P. Dijulevy, prest, A.F. J. Clayfon, seev. A. I. Flinnerfelt, freas.), Win. Wills, mgr. and supt. Cap. 8t. 875000 (Scachart No. ). Statt and Cranels

## STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WAIER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL DUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STONE OF MARBLE MILLS, LIMERILIS AND CAPACITY, ETC., AND NAME OF MINE SUPPRINTENDENT.

AND DISTRICT. Nanaimo

Ry. 552.

Vancouver Minerva Marble Co., Victoria Crescent. B. Raper, prest.; A. Raper, seey, and treas.; E. Priest, mgr. and supt. Minerva, marble. Open pit; hand.

Raper, Priest & Co., 28 Victoria Crescent. E. Priest, mgr. Cap. \$2,000. Malaspina, red granite. Open pit: hand (developing). Nelson Island Granite Co., Etd., Victoria, B. C., J. C. Prevost, prest, and treas.; E. J. Thain, seey., mgr., and supt. Cap. stk. \$30,000. Nelson Island, gray granite. Open pit; steam (developing).

New Westminster Rv. & P.O. Victoria 552. Saanich, New Westminster (P. O. N. Saanich) Ry.

Nelson Island

Saanich Lime Co., Itd., Victoria, B. C., 127 Vates st. Peter C. Fernie, prest, and supt.; J. Wriglesworth, seey., treas, and mgr. Cap. 8th, \$50,000. Saanich and Millstream, limestone. Open pit, 2,000 tons; horse and hand; kill, 2230 tons.

Vancouver X. Westminster - Vancouver Stone Quarrying, Mining & Transportation Co., Cordova st. Johann Wulftschin, prest.; R. B. By 96, 572. Johnson, seev, and treas (J. W. Vaughan, mgr - English Bay, sandstone. Open pit; hand.

SEE ALSO SUPPLEMENTARY LIST

# NEW BRUNSWICK

## MINERAL PAINT

LOCATION OF MINE. BATHWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Newcastle, Northumberl'd John Ferguson. Oxide of iron. Rv. 325.

## STONE, MARBLE, GRANITE AND ONYX

OR QUARRY,
KAILWAYS, WATER ROUTES
AND SHIPPING POINT.

Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, NAME OF MINE OF QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TONS OF 2000 POUNDS, KIND OF POWLE USED, STONE OR MARBLE MILLS, LIMERILNS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT

Newcastle Northumberl'd, C. E. Fish. Cap. \$5,000. French Fort, olive sandstone. 4,000 tons; steam. William Sutherland, supt.

SEE ALSO SUPPLEMENTARY LIST

# NORTH-WEST TERRITORY

#### COAL ANTHRACITE

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

OND DISTRICT

NAME OF COMPANY OF INDIVIDUAL LOCATION OF PRINCIPAL OFFICE NAMES OF OPPICEDS, CALITYL STOCK, NAME AND KIND OF MINE, AND OLD OUT IN TORS OF 2000 POTNES. KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVERS, AND NAME OF MINE STEERINGENDENT.

Anthraeite Ry. 96.

Tows

. Alberta. Canadian Anthraeite Coal Co. Hon J. G. Thorp, prest., L. Grannell, seey., O. H. Ingram, treas., H. W. McNelll, mgr. and supt. Cap. stk. 81,000,000. Stewart. Tunnel and slope, steam, breaker.

The H. W. McNeill Co., Ltd., H. W. McNeill, prest., E. L. Little, seey. Cap. 8tk, 850,000, Slopes, 50,000 tons, steam, breaker. Ph.? p.Gr!l, supt.

#### COAL BITUALINOUS

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL. ORATION OF PRINCIPAL OFFICE, NAMES OF OFFICE'S, CAPITAL STOCK NAME AND KIND OF MINE ANNUAL OFFICE IN TONS OF 2000 FOUNDS. KIND OF LOWER USERS COM. BLEMCIS, WASHINS, COKE OVENS, AND NAME OF MINE SCIEBLING NDENT.

Bow River Mines, Abertia, Authraeite & Betuminous Coa Co., Toronto, Out., C. Toronto St., B. L., Chaffee, press., F. A. J., (No.P. O.) Ry 10. Seey., S. H. Eleming, Ireas, Win, H. Merritt, mr.i., Cap. 8th, 850,000. Bow River, developing

Alberta, Golden Minnig & Smelting Co. of Canada, Ltd., Gold,

Cammore

Vbetta tumala Northwest God's Lamber Symbodic, London, Fig., oct lements Line, L. G., God's, E., Pove L., prest J. W. Krow'es, seey. Chris. Dekinson, Ingr., and Sept. Car. Sts. 8, 2000. Cochran. Soperand funct., greatering, Steam.

Lethbridge Ry. 10.

A'berta, Alberta Railway & Coa' Co., Win, Lethbudge, prest., H., McR. th. treas., T., L. Ceth., mg. Shatts, and tunine's, Cocourtons, steam., Win, Stafford, sup! Cowdery Bros., Lott McLood, Cherta., Shrwin, Open pit 1,500 tons, hand., 41-D. Freemante, supt.

Alberta: Andrew Christic., Cap 82,000. Christic's Mine., Tunnel, 50 fons, hims Ry Lethbridge in

Francis Willock, Jonal Stand By Tunnel 200 tons, Japal

## GOLD AND SHATER

Location of Maxi-BAILWAYS WALLE hot HIS AND SHIPPING POINT.

DOLONG NA AMBUNDAN TO CONSTRUCT ON A CONSTRUCT OF A STANDARD STANDARD NAME OF MINE AND CONTRACT OF THE AMBUNDANCE OF THE or Power, Use a Sport Millis, etc. (850 North at West Stephenstern 184).

Clover Bar-Alberta Alexander Rebertson, Gold. Piper tree was taken month Edmonton

Afteria Donald Ross, Cap \$2,500 Ross 2051, Toppe process band a

Ft. Saskatchewan Alberta, George Boark, Good, Placer, hand horse ma wars Ry Lilmonton 96

## STONE, MARBLE, GRANITE AND ONYN

LOCATION OF MINE BAILWAYS, WATER ROLLIS TOR COMPANY OF INDIVIDUAL LONGER SEES OF THE SECONDISE, NAMES OF SEES OF THE SECONDISE OF T 2.6 Tot Sps, Kish of Town Later Spore C. Makale Mines Timekinss one CAPACITY, I.E., AND NAME OF MELL SCIEDSTENDEN;

Lows AND DESCRIPTION

Calgary Ry 70. Alberta John to Met a ban, Stephen av "Can Stephen Phocy Object, prestope open at the consistent

SEE ALSO SUPPLEMENTARY LIST

## NOVA SCOTIA

## COAL BITUMINOUS

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND

Little Glace Bay Cape Breton Ry. 31

Stellarton

Ry. Picton 325.

Ry. 325.

Thorburn Ry, 325.

Ry 325, 16 miles). Westville

Ry. 325

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, COAL BREAKERS, WASHERS, COKE OVENS, AND NAME OF MINE SUPERINTENDENT.

Caledonia Mmes C.Breton - Caledonia Coal K. Railway Co. - W. Emery, prest.; Eustace - Hubbard, seey.; Daera MacKeen, treas., mgr. Ry, Little Glace Bay 39. - and supt. - Cap. stk. \$500,000. - Caledonia. - Shart, 168,000 tons, steam and compressed air.

Glace Bay Mining Co., Ltd., Hahrax, N. S., Lower Water St., E. P. Archbold, prest.; J. R. Litthgow, secy, treas, and mer. Cap. 8tk, \$60,000. Little Glace Bay. Shart, 120,000 tons; hand. C. H. Righy, supt.

Mabou Harbor Inverness Mahon Coal & Gypsum Co., Ltd. C. L. Snow, prest, mgr, and supt., Lewis McKeen, seey, and treas. Cap. Ry, 31, 707. Mabou. Stope, 3,600 tons, water.

Spring Hill Jn. Cumberl'd Cumberland Railway & Coal Co., Montreal, Que., Imperial Edg., Place d'Armes. R. Cowans, v.-prest.; H. Ry, 31, 325.
R. Drummond, seey, and treas., T. R. Cowans, mgr. Spring Hill. Four slopes, 512,300 tons; steam. Picton Acadia Coal Co., Ltd. J. W. Clendenin, prest, and treas., Philip Harris, seey., H. S. Poole, mgr. Cap. stk. \$4,000,000. Slope and open pit, 100,000 tons; stemn, 75 coke ovens, 26,000 tons. J. Maxwell, supt.

Cape Brelon - Gardener Coal Co., John E. Barchell, prest., J. Sydney Burchell, seey., James T. B. and supt. Cap. stk. \$200,000. Gardener. Shatt, 40,000 tons, steam and electricity. James T. Burchell, treas., mgr.

Sydney & Louisburg Coal & Railway Co., Ltd. C. S. Keefe, seey, and treas., D. J. Kennedy, mgr. and supt. Cap. stk. \$4,500,000. Reserve. Slope and shaft, 170,000 tons, compressed air and steam.

Pielou Acadia Coal Co., Lid., Stellarton, N. S. J. W. Clendenin, prest, and treas., Philip Harris, secy., H. S. Poole, mgr. Cap. stk. \$4,000,000. Slope and open jut, 100,000 tons, steam. J. Dunbar, supt.

Colchester Truro Coal Mining Co., P. O Boy 523. William Hallett, prest., George Ross, seey, and mgr.; T. G. Memiles). Mullin, treas. Cap. 848, 849,000. Truro. Slope, steam (developing.) Pictou Acadia Coal Co., Ltd., Stellarton, N. S. I. W. Clendenin, prest, and freas., Philip Harris, seey., H. S. Poole, mgr. Cap. 8tk, \$4,000,000. Slope and open pit, 100,000 tons, steam. I. W. Sutherland, supt.

Intercolomal Coal Mining Co., Ltd., Montreal, Que., 129 Commissioners 81. James P. Cleghora, prest; William J. Nelson, seey, and Ireas., Charles Fergie, mer. and supt. Cap. 8tk, 81,000,000. Drammond, Slopes, Bonoto tons, Staim. 20 code overus (John tons.

#### COPPER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

Towns.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, FURNACIS, ETC., AND NAME OF MINE SUPERINTENDENT

Svdney Cape Breton - Eastern Development Co., Ltd., Boston, Mass., 53-State st., Isaac P. Gragg, prest, and mgr.: Thomas - Ry, North-West Arm - Svdney Harbor at Hownell Granger, supt. - Brownell Granger, supt.

## GOLD AND SHIVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY

Country Barbor Gnysborough Chysborough (P. O. Cross Roads, Country Harbor) Ry, Halifax 31

Litteen-Mile Stream Habtax 1gy Hopewell 325.

Ry. Antigonishe 325.

asta nudes a

Mooseland Ry. Spry Bay at NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF OUR, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Country Harbor Gold Mining Co., Ltd., St. Johns, N. B., P. O. Roy, 132. Robert Blair, prest., J. Gordon, Forbes, seev, and treas., George McNaughton, mgr. and supt. Cap. stk. \$0,000. McNaughton Bett. gold. Shatt and Limited, 13,500 foot, tree, 20 strainps.

New Egerton Mining Co., New Glasgow, N. S., James D. McGregor, prest., seey, and treas., James A., Fraser, mgr. and supt. Cap. stk. 840,000. New Egerton, gold. Shafts and tunnels, 4,500 tons, tree;

steam, 45 stamps. Goblenville, Guyshorough, C. B. Berestord, Sherbrooke, N. S., Hee, Strycke, Domingnes, gold., 400 tons, 4rec., horse, 45 stamps,

Malcolm, Cameron, Wellington, Palmerston and Grape Vine, gold. Shafts and tunnels, free, steam and water, 10 stamps.

Isale's Harbor Guysboro'h Palgraye Gold Mining Co., Portland, Mc., Evchange st. H. K. Fisher, prest, and ingr., W. H. Harrington, Rv. 31 secy., T. R. Gue, treas Cap. 8tk, 8100,000. Palgraye, gold. Shafts and tininels, 2,400 tons, free. steam, 10 stamps.

Kemptville, Aarmouth Kempt Gold Mining Co., Lid., Varmouth, N. 8. Jacob Bingay, prest., A. W. Hakins, seey and freas., Rv Varmouth at. W. H. Nash, mgi, and supt. Cup. stk. \$30,000. Kempt, gold. Shatt, 500 tons, free, steam, 40 stamps.

MalagaColdMinesQueen's Boston Gold Mining Co. Geo A Kimball, prest., B. F. Whittemore, seey, and treas., F. K. Ballon, nigr., Ry Bridgewater 537-250 and supt. Cap. 8tk 800,000. Boston, gold., Trimiel, slope and deep. 53000 fons. Rec., steam, 10 stamps.

Halitay Mooseland Gold Mining Co., Edd., Halitay, N. 8, 52 Bedford row, W. 4, Stewart, prest., W. C. Bishop, at Sec.y., Thos. Brown, treas. Henry C. Stemisherm, mgt., and supt. Cap. 8tk, 800,000. Mooseland, gold. Free, stemi., 23 stamps observedpoints.

## GOLD AND SILVER-CONTINUEDO

LOCATION OF MINE.
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

AND COUNTY

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILES, ETC., AND NAME OF MINE SUPERINTENDENT.

Moose River Gold Mines (30 miles).

Ry. Shubenacadic 325 Mount Uniacke

Oldham Habitax Ry. Enfield 325 (3 m.).

Rawdon Ry. Mt. Umacke 823. Salmon River Halifax IO . 32.

Scal Harbor Guysborough Ry, and P. O. Isane's Harbor at

Upper Musquodolout Halitax

Ry Shubenaeadie 325 35 nules i. Windsor Junction Ry. Windsor a 325 (2 miles)

New Communy 532 530 miles

Damos Tonquoy, Cap. \$49,000, Tonquoy, gold. 19 shafts, slopes, 5,000 tons, tree, water and steam, 15 stamps.

Hants Withrow Gold Mining Co., John J. Withrow, prest, and supt., T. P. Patnam, seev., treas and mgr. Cap., 8tk, 87,000. Withrow, gold. Slope, 500 tons, 4ree, steam, 40 stamps.

Napier Mining Co., Win, J. Fraser, prest., John F. Hardman, seey., freas, and mgt. Cap. 8tk, 8120,000. Napier, gold. Free and retractory, steam. Win, Mackintosh 8upt.

Oldham Gold Co., John E. Hardman, mgr. Cap. 820,000. Baker, gold. 7,000 tons, tree and retractory, steam and water, 40 stamps. Wm Mackutosh, supt. Pleasant Hift Gold Mining Co., Pleasant Hift, gold. Tree., J. I. Vandergratt, supt.

Rhode Island Mining Co., Providence, R. J., ts. Westminster st., Room 47. U. R. Day, treas. Norman Logan, jug., and supt. Donaldson, gold. Shatt, horse developing. Standard Gold co., J. E. Hardman, mgr., Cap. stk. 850,000. Gold. Steam. Wm. Mackintosh, supt

Hants Central Rawdon Mining Co., Ltd., Windsor, N. S., Joshua H. Smith, prest., J. C. Geldat, seey., Clarence (1823). H. Dimock, Iteas., T. B. Blors, mgr. - Cap. 8tk. 812000. Combination, gold. (15 stamps.)

Innterin Gold Mining Co., Ltd., Turro, N. S., V. K. Vrelnbadd, prest, ang. and supt., S. R. Tupper, seev., and treas. Cap. 8th, Saction. Dufferin, 201d. Shafts, funnels and slopes, 42,000 lons, free, water, 29

McNaughton Gold Mining Co., 81 Johns, N. B., P. O. Box 12. Alred C. Blait, prest. J. Gordon Lorbes, seey, and from A. Robert WeNaughton, mgt. Cap. 8th, 82000. Scal Harbor, gold. Shaft and timnel, flooring they, steam. Festimper.

McNaughton Gold Mining Co., L'el., 81 Johns, N. B., P. O. Bay Lig. A Chellon Blad, prest. J. Gordon Forbes, seey, and treas. Robert McNaughton, max-and supt. Cap 84k 86500. McNaughton, gold. Shaft and tunnel, 2000 torus. Feer, Steam, 16 Stanips. Dixon & Co., Habbay, N. S., Harbert Dixon, mgr, and supt., Oxon, gold., Shatt, 1,200 tons, tree, steam,

Lake View Mining Co., Ltd., Newack, N. J., 189 Matket St. J. E. View, prest. William I. Allen, seey and treas. A A. Hatward, ingr., and supt. Cap. 8tk, Source. Lake View, 25dd. Deep, 1990 (1008) rec., 8term, 388-fame.

West Waverley Gold Co. 14d., James C. Avet, prest. T. L. Newcombe, service John T. Hardman, treas-ind in T. Cap 8th, Sognic. West Waverley, 20d., 15,000 four tree, steam, to strongs. Rightald I. Sherman, supl. B. C. Wilson, Habitas, N. S., P. O. Roy No. Cope Species. Last Welverby, 2011. Tunnel and incline, to,000 tons. tree: Steam and water. James Warren, Supt.

Whiteburn Vines Queen's John Cooleman, G. J. Partington, ingrand supt. Whiteburn, gold. Shaft tree, strain to stemps obveloping

Wine Harbor Greysborolli, H. I. Harding, Tento, N.S., I. Conory, mgr., and supt. Cap. sporos. Napo cand Hiderado, gold. Shart. Rv. Vittigonishe 325. — and Unimel, processors, tree: steam (2) steams.

## GYPSUM

RATEWAYS, WALLER BOTTES AND SHIPPING POINT.

Mabou Harbor, Inverness Mabou Coal & Gypsum Co., Ltd. C. L. Snow, prest, and supt. Levis McKeen, seev are treas Rv 31, 707. Cap, 848 S0,000. Converse. Open pit, 5,000 tons, steam, mill, 4,000 tons.

Fort Bey's P. O. Baddeek Ry st

Victoria Gypsinii Mining & Manufacturing Co. Edd. Hon. Duncan C. Libert. Box. chird, seey and treas. W.F. McCurdy, mgr. and supt. Cap. stk. shown. Victoria. Open p. U.Sortonia, Statistical Co. Libert. Statistics.

NAME OF COMEAN OF INDIVIDUAL COLUMN OF PRINCIPAL OFFICE, NAMES OF CHERCES, CALL AS NOTED

NAME AND KIND OF MINE, ANNAL DETPUT IN TORS OF 2000 POUNDS. KIND OF LOWER LIST,

MILLS, FIG., AND NAME OF MINE SCIEBLING NDENT

Hants Wentworth Gypsum Co., Ltd. J. B. Kang, prest, J. Norman, Damock, socy. Clarence H. Damock, it as and mgr., Cap, 8tk, 8200.00. Wentworth. Open pet, 25000 tons, steam. John Phillips 82, 8, 70. Windson

#### **HRON**

LOCATION OF MINE. RAILWAYS WATER ROUTES AND SHIPPING POINT.

Bridgeville

P. O. and Ry. Glasgow 325.

Ry., 325.

Torbrooke Rv. 325. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUFERINTENDENT.

Acadia Mines Colchester Londonderry Iron Co., Montreal, Que. A. T. Patterson, prest; Jas, Phymister, secy.; F. C. Budden, treas.; W. Londonderry Sta. 365. https://doi.org/10.1009/10.

Pieton Pieton Charcoul Iron Co., Ltd., New Glasgow, N. S. W. B. Moore, prest.; D. R. Grant, seey, and treas.; E. A. Slostedt, ngr. and supt. Cap. stk. \$200,000 Grant, brown hematite. Tunnel, 10,000 tons; steam and hand; filmere, 7,000 tons.

Picton New Glasgow Iron, Coal & Railway Co., John F. Stairs, prest.; Harvey Graham, seey.; Thomas Green, New treas. Cap. 8tk. \$1,000,000. East River, brown and red hematite. Slope, 2 shafts, open pit; steam; hurnace, 30,000 tons (developing).

Annapolis Torbrook Iron Co., Ltd. Hon. Senator MacFarland, prest., Geo. De Blois, seey, and treas.; R. G. E. Leekle, nugr. Cap. stk. \$100,000. Torbrook, red hematile. 4 shafts, 35,000 tons; steam. K. Solomon,

#### MANGANESE

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. COUNTY.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT.

Tenecape. Ry. 31.

Hants Shaw & Churchill Co., Walton, N. S. Tenecape. Shaft, tunnel and open pit, 250 tons, steam. D. W. Me-Vicar, supt.

#### LEAD AND ZINC

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2001 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

Halfway Brook, Colchester Clarke & Johnson, Halitax, N. S., Joe Howe, lead, Shaft, steam,

Ry. Brookheld 325

Smithfield - Guysboro-Clark & Fraser, Halitax, N. 8., 161 Hollis 81. Smithfield Silver Lode, lead. 3 shafts, refractory, steam. Ry. Haltway Brook 325 (43 miles).

## STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARTY,
RAILWAYS, WAITER ROUTES
AND SHIPPING POINT.

Tows AND COUNTY. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE OR OUTBERY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTFUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERILIS AND Capacity, Etc., and Name of Mine Supirantendent.

Brookheld

Colchester Londonderry Iron Co., Montreal, Que. A. T. Patterson, prest., Jas. Phymister, seey., F. C. Budden, 4reas., R. G. Leckie, mgr., Cap. stk. 81,000,000. Lanark, limestone. 11,000 tons, steam. F. Park, supt.

Lower Cove - Cumberland - Atlantic Stone Co., Boston, Wass., 474 Atlantic av. - Amos Scaman, prest., E. Q. Rowan, seey, and treas,:
Rv. 340 - R. S. Hibbard, mgr., and supt. Cap. stk. 800,000 - Lower Cove, sandstone - Open pit. 3400 tons, steam:

mill.

Marble Mountain 10, 31

Bras d'Or Lame (a., Lif., Halitax, N.S., 161 Hollis St., U. F. Fraser, prest., A. Malie Fraser, seey, and treax., D. MacLachlan, jugr. and supt. Cap. stk. 59,000. Limestone. Open pits, 10,000 tons, steam. 3 kilas, (a)do tons. Bras d'Or Marble Co., Ltd., Bataax, N. S., for Hollas st., C. F. Fraser, prest., A. Al'ne Praser, seey, and treas., D. MacLachian, mgr. and supt., Cap. stk. \$160,000. Bras d'Or, marble. Open pit, steam, and treas., D. MacLachian, mugravity, mill (developing).

Springvilla

Parlon New Glasgow Iron & Charcoul Co., New Glasgow, N. S., D. R. Grant, seev. E. A. Spostedt, mgr., Cap., sik 850,000. McLean's, 'miestone, Open pd., 4.50 tons, hand, ko'o, 50 tons, S. H. Mell, am, supt.

#### SEE ALSO SUPPLEMENTARY LIST

## OXTARIO

#### ASBESTOS

Lores trus or Arts) PAILWAYS WATER ROLLIS AND SHIPPING POINT.

NAME OF COMIANY OR INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME, OND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 Potenties, Kind of Power User MILLS, LTC., AND NAME OF MINE SUPERINTENDENT.

awa - Ottawa H. I. Beemer & Alex, Bowne, 184 Sussex st. Shatt. Ry, 91, 96, 548.

Officera

#### COPPER

LOCATION OF MINE RAILWAYS, WATER ROTTES AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PURICIPAL OFFICE, NAMES OF OFFICERS CAPITO, STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE ANNAL OFFICER FOR SOF 2,00 POLNING, KIND DE LOWER USED. LUCRACUS, LTC., COD NAME OF MINE SUPERINTENDENT.

Catleton Place - Lanark Wyle & Weekes, Butuseie, Nev Antonioux, copper lead. Open it is, hand

Ry, 96. Copper Clift

Wilton Ry no, me Algonia Ganadian Copper Co., C'eveland, Olno, 163-168 Superior St. Stevenson Burke, prest. H. P. McIntosh, seey, and treas. Cap. stk. 82,00,000. Copp. C. 31, Evans. copper, mekel. Shatt, 47,000 fons, 3 form, furince 3,000 fons. J. D. Evans, super.

## FIRE CLAY

LOCATION OF MINE OR BANK. RAILWAYS, WATER ROTTES. AND SHIPPING POINT.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CALLEY, STOCK, NAME, AND KAND OF MANE OF DANK ANNUAL OUTFOUR TONS OF 2,000 POUNDS, KIND OF POWEL USED, LIC, AND NAME OF SPIERINGS NEST,

Harton, M. fon Pressed Broll & Server Pipe for 3) Reservoir pressor A.S. Metaricki Server treas and many Gap show over Open pesses overtons, steam

#### GOLD AND SHATE

The CHOS of Miss. LANDWAYS, WALLS LOW DE AND SHILLING POINT

Some to respond Notation for home to be supported by Notation Notation of the Court Source of His Read from Table of Monopolis (1997), Source 1880 (1997), Forens For a Power Usin Stom Miles Fr. 2, Nome of Monopolis Stations (1997).

Benyer Whe Mgonia Hadden Treasure Sever Munique et Man apres. Man 25 Mesone Jennye T. W. Nevens, pess W. K. Straffman sever T. Konne Sever S. Nevens and some ends street in Swissoner Hadden Treasures very S. Striffman. Ba mont I'wp. Peterboro T. R. Lengham Marmora, Ont. C. p. Sogno. Bonont. 2 dd. Snett, 1,000 fons 100. St. m. A. W. P. O. and R. Marmora.

120. Carseaften, sant. 120. Carseaften, sant.

Black B.y.—Migoma, Capt. Diamon McLaeren, Daban Mann, J. L. Ligh, st., McLaeben, 2007, 8, vo. indicad., Shatt, finnel P. O. Port, Arthol.—Tree, horse R.y. Pert River 96.

Hastin\_s Ry. Marmora 129

Stevens, Newhord & Roth of assess, history, Madria to the scale stronger at essecuted gale. Shall retractory steam and with

Doron Twp Vigon of P O Port Video Rs Pear's River 6

Ozema Minary X Sneutary Co., Gandon, N. J. (1997) (1997) (1998) (Theory, in: A few, inest) (J. H. Sosinifiscovy, mattress, John C. Sneff, ingl. and Snet. Co. is Sness, core (General 2003) Science and Sneiss dutte (General 2003).

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William Wison Teronto, Out for But the Vie nor 838 of the 8150 cm. Configure of Shall cover is free shall. John Dajord supt.

Ry.Kaladar Station 6

Kaladar Manu, Co. Napane a Ont. Win March post of Boroness and ton group Bark 2008 site, \$129,000. Karadar, 2003. They do vapeng

P.O. Port Arglini, Ry Silver Creek Visa

Badget Savo Manng Col Mayarako, W.S. N. L. on Test Wafe and Mayaraks. John M. Son. Wafter Read Sect. Co. M. Read, 1998. H. Short and damped on soft of the section of a feet many soft of the section of the feet may be supported by the order transfer of section for times. Be Act Manne & Maine Co. Defroit Mich. Societ Shaft area ste-Hoope't supt.

Tybele Visiter Visiter Crown Point Mana, Co., Onbath Mana, H. R. Fardham prest, Linco, L. Lances (C. L. Salnen, P. O., and Ry Sect.) Treas, A. D. Cummuns, man Corp. sike Some Crown Point Silver, L. Co., C. Cost, Point Montan Wee Land, W. Montanery, supp.

Mannonod's Mineral Lands co. Mannonod's Monta STG naranty Lond Book 1881, to speed all N. Bosk, sew 101 Booksty Dons W.D. Middan Lynge and some construction of Possister Standard Union Concentration for the Standard Union Concentration.

W Laysh Vigin Vigin P O Post Villian Ry Orimetia A'= Hitti A. L. Barte, Rising Sam, good sever and cost. See for the cost have

LOCATION OF MINE.

LOCATION OF MINE.

RAILWAYS, WATER ROUTES

DALLWAYS WATER HOUTES

#### GOLD AND SILVER-(CONTINUED)

AND SHIPPING POINT.		Name of Mine, Kind of Ore, Kind of Mine, Annual Outfut in Tons of 2,000 Pounds, Kind of Power Used, Stamp Mills, Etc., and Name of Mine Superintendent.
Town AND	COUNTY.	
Malone Ry, 119.	Hastings	Crescent Gold Mining Co., Ltd., Montreal, Que., Room 12, 30–81, John 8t. P. Alex, Peterson, prest.; Thomas Watson, see, and treas., George Methongall, mgr. and supt. Cap. 8tk, \$100,000. Crescent, gold. Shart, Free, Steam, 10 (Stamps) (developing).
Port Arthur Ry, 96, 386.	Vlgoma	Lily of the Valley Mining Co., J. Brimson, seey., W. J. Barre, treas.; H. Parsons, mgr. and supt. Lily of the Valley, silver. 2 shafts; tree; hand.
	**	V-one Mining Co., Chicago, Hl., 114 Adams St., J., S. Morgau, prest, and mgr.; H. S. Sprague, seey., John F. Huntington, treas. Cap. 8tk. \$5,000,000. V-one, silver. Shafts and tunnel, free.
Rat Portage Ry, 96.	Algoma	Bad Mining Co., P. O. Box H. Bad, silver. Free (developing).
	···	Alex, Matheson. The Premier, gold. Shaft, tree; horse and hand.
**		C.  S.  Morris.  Toronto,  Ont.,  119   Wellesley  st.  -  X  90   and   Rossland,  gold.  Free  and  refractory   (developing)  -  A  (developing)  -  A
Silver Islet (No P. O.) 1	Algoma Ry. 386.	Canada Land Purchase, Detroit, Mich., 80 Griswold St., John J. Marvin, Henry S. Sibley, trustees, Trust certificates \$400,000. Silver Islet, silver. Shaft, free; steam, 50 stamps. Capt. T. H. Trethewey.

Silver Monntain Algoma E F, Drake Estate, St. Paul, Munn, 291 Drake Block, Third st. A M. Drake, mgr., West End, silver, By, 5050.
Shaft and tunnel: steam and hand. Wm. Rapsey, supt. Guaranty Silver Mining Co., Manneapolis, Minn., 816 Elwood av., A. C. Dunn, prest.; John G. Rickel, secy, and treas., A. D. Westby, mgr. and supt. Cap. 848, 5200,000. Guaranty, silver. Shaft; free; steam developing). c3 miles)

sout

Shumah Weachu Mine Co., Ltd., Liverpool, Eng., Dale St., Frank Tobin, prest.; V. K. Fry, seey, and treas. Arthur L. McEwen, mer. and supt. Cap. 8tk. \$500,000. Shumah Weachu, silver. Shaft and drifts, refractory: steam; 10 stamps.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,

e. Algoma Silver Chief Mining Co., Mumeapolts, Munn., 29 N. V. Life Bldg. Frank E. Mix, prest., F. M. Hutchinson, Secy., Class. L. Mendel, treas., B. F. Moore, mgr. Cap. 8tk, \$500,000. Silver Chief, silver. Shaft; domain. Strange P. O. and Ry. Silver Mountain 595a. Silver Lake Mining Co., Duluth, Mann., 5 E. Third St., H. R. Tinkham, prest., E. Tinkham, seey.; J. H. Hyber, trens., A. D. Cummungs, mgr., Cap. sik. \$2,000,000. Silver Lake, silver and from Shaft; free;

band. Minnesota & Lake Manifon Gold & Salver Mining Co., Benson, Minn. Thomas Kinidson, prest.; Anton Arneson, see, Peter J. Johnson, freas, George Canden, nigr. Cap. 8tk. \$20,000. Gold and silver. Timnel, 3000 fors, retractory. Firmin Tedard, sppl. Wabigoon rbigoon .Algoma . (P. O. Barelay) Ry, 96,

Gold Rock Mining & Milling Co., Ltd., Toronto, Ont., James Beaty, v. prest.; Jos., J. Davis, seey.; Union Enik, trens., Nowment & Townsend, mgss. Cap. stk. storagen. Gold Rock and Rabbit Island, gold and bend. Free developing. E. S. Townsend, ving. P. O. and Ry. Sudbury

#### GYPSUM

TOWN AND COUNTY		NAME AND KIND OF MINE, ANNAL OUTPUT IN THIS OF 2,000 FOUNDS, KIND OF POWER USED, MILLS, ETC., AND NAME OF MINE SUPERINTENDENT		
Cayuga Ry. 290.	. Haldmand	Adamant Manufacturing Co. of America, Syraeuse, N. A., 309 E. Genesee st. E. W. Parmelce, prest., S. S. Biston, seey. U. T. Rockway, treas., W. B. Cherry, har. Cap. stk, 8500,000. Adamant. Drift; steam, mill. J. A. Nellis, supt.		
Manchester Ry, 290	Ontario	Ezra Grinnell, Port Gibson, N. V. Cap. \$1,000. Port Gibson. Open pit, 500 tons, water.		

Brant Alabastine Co., Ltd. M. B. Church, prest., J. M. Wheeler, seey., treas, and mgr. Cap. stk. \$34,000. Paris Plaster. Tunnel, 1,000 tons. hand. Ry, 290

Welland Estate of John Battle. Tunnel and open pit, 3,600 tons, water, e-ment mill, capacity 7,200 tons. Matthew Thorotd Ry. 290. Battle, supt

## IRON

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.	Name of Company on Individual, Location of Principal Office, Names of Officers, Caelial Stock, Name of Mine, Kind of Orf, Kind of Mine, Annual Output in Tons of 2,000 Pounds, Kind of Power Used, Blast Furnaces, Etc., and Name of Mine Superinteedent.
Tows (8) County	
Ecdford Mills : Frontenac Ry, Bedford Sta 368.	Bedford Mining Co., Kingston, Ont., R. J. Cartwight, prest., Joseph Bawden, seey, and mgr., J. B. McLyer, Ireas. Cap stk. 855000. Black Lake, Lehman, magnetic. 500 tors.
Carleton Place Lanark Ry 368	Wiffiam H. Wylie, Flora St. Aron Duke, Bessemet. Open pits, hand.
Du River La Seine Ramy River District No P. O. Ry, Duluth,	Atikokan Mining Co., Dubith, Minin, Room 303 Burrows Block Cap. 8tk, \$250,000. Atikokan, brown hematife. Tunnel developing).

Minn .96

FortWalliam West Algoria - Mattawin Iron & Mining Co., Kingston, Ont - B. W. Folger, prest., Henry M. Folger, treas., James Ham Ry 260 - Mattawin Iron Range, hematite

## IRON-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROCTES AND SHIPPING POINT.	Name of Company or Individual, Location of Principal Office, Names of Officers, Capital Stock, Name of Mine, Kind of Ore, Kind of Mine, Annual Outfut in Tons of 200 Pounds, Kind of Power Used, Blass Furnaces, Etc., and Name of Mine superintendent.
TOWN AND COUNTY.	
Iron Dale Victoria Ry. 290, 331.	Bancroft Iron Co., Ltd., Chas. J., Pusey, prest.; L. B. Howland, seey, and treas., Chas. Hutchinson p., ngr., Cap. 8tk, 81,000,000. Several claims, magnetic and hematic. Horse,
	$T.\ D.\ Ledyard, Toronto, Out., 57\ Colborne\ st.\ Snowdon, bessemer.\ Shaft\ and\ open\ pits.\ Wm.\ Nichol,\ supt.$
Kaministiqua Algonia Ry, 96.	Kamuushigaa Iron Co., Minneapolis, Minn. H. S. Smith, prest - Clinton Stacy, seey., G. A. Casfle, freas., S. H. Hall, juga Cap. stk. 8100,000.
Marks Algonia P. O. and Ry. Port Arthur 96, 585a.	Robert G. Chandler, trustee, Coldwater, Mich. Ressemer, magnetite. Shaft, hand.
Tatlock ,Lanark Ry, Clyde Forks 368,	Wylie, Weekes & Co., Carleton Place, Ont.' White Birch, pyrites. Shatt: horse - Henty Met adden, supt.
White Lanark Ry, Flower Sta, 368,	William H. Wyhe, Carleton Place, Out. La Cousnie, magnetic. Open jot, water
Peterburo P.O. and Ry. Marmora 208.	Belmont Bessemer Ore Co., Ltd., New York City, 29 Broadway, James M. Ashley it., prest, John f. Sill, v. prest, Robt L. Wajor, sery, and gen. mgr., Win. A. Kissain, frens. Cip. stk. soogoo. Bet mont, bessemer and magnetic. Shaft, 37,000 fors, steam. G. L. Woodworth, supt.
	LEAD AND ZINC
LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OPPICES, CAPITAL STOCK NAME OF MINE, KINDOF DRE, KINDOF MINE, ANSIAL OUTPIET IN TONS OF 200 PROMES, KINDOF POWER USERS, NAMELEE NO. 170, AND NAME OF MINE SCHIERTEN DAY.
Town AND COUNTY	TOTAL TREE STREETERS, LTC., AND ATTER OF MINE SCHORESPONDS
Carleton Place - Alanark Ry 96.	Wyte & Crain - Lynch, 'ead - Open p.ts
Leeds Ry 290.	H. L. Barker $X$ Co., Lyndhurst, Out. Lyndhurst, lead. Sharts and tunnel thorse and hand, smeller, $900-1008$
	MICA
LOCKION OF MINE, RAH WAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY	NAME OF COMEANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OTHER), NAMES OF OPERIORS, CAPITA, STOCK, MARE OF MINE, KIND OF PRODUCT, KIND OF MINE ANNUAL OUTFILT IN TONSOF 2,00 POLNINS, KIND OF POWER USED, FITC, AND NAME OF MINE SUPPLIESTED DESCRIPTION.
Town (No Corn)	
Kingston Frontenae Ry 200.	trould Lake Maning Co., Bellevijle, Ont. Dr., John Grant, prest and mgr. A. Met latchie, seey, and treas cap. 8th, 800,000. Gould Lake. Shatt, Cetons, horse
P O & RV Armpriot 96.	Bell, Wylie & Co., W. H. Wylie, seev. W. Met adden, mgr., Cap. st's, Storeo., Buck, Lake., Open pit and Shall, 1900 tons., hand.
Miller Twp - Frontenac P O and By Perth 96.	C. A. Matheson - Landtre - Open på odeveloping
North Burgess Lamark P. O. and Ry. Perth 96.	McMartin X Lee - Open pits - D. G. McMartin, supt
	Ogle Carss Cap 85,000. Mica Open pd. 30 tons hand
RV, 200	Fred Foxton Cap, \$100,000. Shatt. Steam James Foxton, sapt.
P O Perth Road Ry Harrowsmith 96.	Bell, Wylie A Co., Carleton Place Out. Win. H. Wylie ingr. Rece Fern. Shart band. Henry Mc., Cadden, supt.

## NICKEL

LOCATION OF MINE. RAHWAYS, WATER ROTTES AND SHIPPING POINT TOWN ONE CLOSELY	NAME OF COMPANION INDIVIDUAL LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICE IS, CATHALSO NAME OF MINE, KINGOO CHE, KINGOO MINE, AND ALL OFFICE IN LOSS OF 2.5 PROBLEMS KINGOO OF FOWER USERS, SAFETERS, FIFE, AND NAME OF MINE STITLEMS FRANCE.
Blezard Pwp Nipossing P O & Ry Sudbury 96.	Saint Nicholas Nickel Minnig Co., Toronto, Onto Cap. 8th Stotia of Riegard and Salter a copper Shafts, 2000 tons, hand and steam, smelter Andrew Waddell, supl
Carleton Place Lamark Ry, 568.	Wylie & Weekes - Machan, mckel - Open pit
Graham Algoma POA Ry Whitefish to.	I' Summerby Nickel and coppet Shatt
Little Current Algoria EV 26	$ \begin{array}{llllllllllllllllllllllllllllllllllll$

## NICKEL-(CONTINUED)

LOCATION OF MINE, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PERSCHAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK.  NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFUL IN TOSS OF ZUBY POINTS, KIND OF DOWNER USED, SERVILEES, ETC., AND NAME OF MINE SUPERINTENDENT.
Tows 180	Prests	
Nelsouville Ry. 96.	.Algoma	Algoma Nickel Co., Chicago, Ill., 524 Home Insurance Bldg., John Cudahy, prest.; E. C. Modenvell, seey., S. P. Parmily, trens.; John C. Jackson, mgr, and supt. Cap. 8tk. §250,000. Lorne, nickel and copper. Shaft; hand developing.
1.	**	Commercial Mining Co., Ltd., Toronto, Ont., 106 King st. W. Arthur H. Hilyard, prest.; Herbert A. Hilyard, seey, and freas.; Robert H. Aliu, mgr. and supt. Cap. stk. \$100,000. Star of the West. Shaft; hand.
Nickel City P.O.& Ry. W	Algoma Chitetish 96,	Barnet, Russell & Co., Renfrew, Out. Nickel City. Sharfts (developing).
Straight Lake (P. O. Cart		Craig Syndicate, Toronto, Ont., 2 Toronto st. G. H. Watson, prest., James Todhunter, seey.; W. J. McWhinney, treas., George Walkee, ngr. Cap. stk, 850,000. Craig, nickel and copper. Shaft and open pt. 15,500 tons, steam, turnice.
		Straight Lake Nickel Mining Co., Ltd., Toronto, Out., 15 King st. W. B. Barelay McMinrich, prest.; Harry Vigeon, seev, and freas.; J. R. Gordon, mgr. Cap. stk. \$300,090. Straight Lake, nickel. Open pit, 30,000 tons, stemn.
Sudbury Ry, 96,	.Algoma	Bonanza Nickel Mining Co., Toronto, Ont., 391 Yonge St. J. G. Rimer, prest, and freas.; Geo. B. Foster, seey. Cap. 8tk, \$150,009. Bonanza, nickel, plathium and copper (developing).
**	**	Commercial Mining Co., Ltd., Toronto, Out., 166 King St. W. A. H. Helyard, prest.; H. A. Helyard, seey, and treas., John Dauto, mgr. Cap. stk., stor, or. Commercial, nickel. Shaft and funnel; electricity.
		E. H. Davis, Montreal, Que, E. S. Townsend, mgr. Beatrice, nickel and copper. Shatt; haad (develop- ing).
		Emens Metal Co., Johnstown, Pa. Gerstolute, nickel. Shaft and open pit; hand (developing). R. H. Alm, supt.
		H. H. Vivan & Co., Ltd. London, Eug., 9 Queen st. place, E. C. H. Hussey Vivian, prest; Robert Sidgley, seek, A. S. Merry, ingr. Murray, nickel and copper. Shaft, 12,000 tons, steam; nurnace, G. Norman Henniksen, supt.
Walinapitae. Rv. 96.	\ipassing	Malcolm McPhee, Pembroke, Out. McPhee, nickel, copper and gold. Open pit.
		Ontario Nickel Mountain Mining Co., Etd., Toronto, Ont., 88 Elliott St. J. Knox Leslie, prest., G. S. Maedonald, serv. and trens. Cap. stk. 800,000. Nickel, lead and gold. Shatts (developing).
Whitehsh Ry. in.	Meoma	${\rm Barnet} \ \& \ {\rm Russell,  Rentrew,  Out,  Cap.  \$25,600.  Homestead,  Shatt,  hand  (developing).}$
	**	Drury Nickel Co., Ltd. A. P. Travers, prest., Thos. L. Nelson, seey., H. R. Valpey, trens., Thos. Travers' nigr, and supt. Cap. stk, 8500,000. Thez. Open pit, steam, water packet.
		Nickel Belt Mining Co., Ltd., Toronto, Ont., 14 King St. E., John Jones, prest., H. C. Secord, seey, and treas. Cap. 8th 855,000. Empire. Shatt (developing).
		Vermillion Mining Co., Cleveland, Ohio. Stevenson Burke, prest., H. P. McIntosh, seey, and freas. Vermillion, nickel and copper. Horse.
Worthington P.O.& Ry.	Algoma Sudbury 96.	
	·	Smitt Ste. Marie Nickel Mining Agency Co., Lid., Smitt Ste., Marie, Out. John McKay, prest.; D. M. Brodie, seey., John Dewsen, trens., J. E. Miller, may. Cap.stk, 845,00. McKay. Open pat.
		PHOSPHATE
		1 110 6 51 11. V 1 17
RATE WAYS, WA	яви Вость -	NAME OF GARLANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TOXS OF 2500 POINTS, KIND OF POWER USED, MILES, UTC., AND NAME OF MINE SCHEEDING NORM.
langess twp	Lamark av. Perth 96	G. What dey - Black Lake, phosphate and mea. Open pats, 68 (tons), hand,
F O 5ma 1 Kangston Rv. 290.		Gould Lake Mining Co., Belleville, Ont. Or. John Grant, prest, and mgr., A. Met latchie, seey, and treas. Cap. 8th, 830,000. Gould Lake. Tunnel, D. tons, horse.
 Lake Ommeon	. Crontenne	N. W. Richardson, Loboro Lake. Shatt, 750 tons, steam and hand Reff & Co., Amprior, Onf. Cap. 820000. Bell, Shatt, slopes, 2000 tons, steam. N. Cochrane, supt.
By Harros		Kingston Phosphate Co., Montreal, Que – Rock Lake – Shatt, 2,000 tons; steam, Chas. A. Pvuc, supt.
North Burgess P. O. and R	- Lanark x Perth 96	Louis CA Rell, Amprior, Ont. Niel Cochran, 1921, and supt. Cap. \$40,000 Bell. Shaft, 2,900 tons, steam.  Applied in plan Physiological to 1141 Landon Phys. 5 Gener Church St. F. C. J. J. Reid, 1984. G. D. C.
N Burgess To		informings seek. Eddorf C. Adams, may. Cap. St., 850,070. Only Lake, Bobs Lake, Buttle Lake and frothers, phosphate, mea. Shall and open pit, Love tons. Loose and hand. Robert Cordich, supt. Ogle cross. Cap. Show. Standard, phosphate. Open pit, 200 tons. hand.
(P. O. Sin Ry Pert Sydenham	li 96	Fred Foxton, e.g. ston,000, Shatt, 500 tons, steam, James Foxton, supt.
Ry 290	54541112,0011	The state of the s

 $(1,\,3,\,R)$  Stalling, Kingston, Out. (up. 850,00). Stirling, phosphate and inica. Shatt and drift, horse, hand and steam.

Ry.Kingscoutt 290, 368, 369.

#### SALT

RAILWAY	TION OF OR WEL S. WATE HIPPING	L, B ROUTES	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TORS OF 2000 POCNOS, KIND OF POWER USED, EIC, AND NAME OF MINE SUFFERINGED, IN
Town	AND	COUNTY	

". Thuron John McGarva, Cap. \$15,000. Clanton Salt Works, line and coarse. Well, 25,000 brls., steam. James Shepherd, supt. Clinton Ry. 290. Henry Ransford. Stapleton Saft Works, fine and coarse. Well, 40,000 br/s., steam,

Goderich "Huron Joseph Kidd, Cap. 810,000. Dominion Salt Works, dairy, table, fine and coarse. Wells, 30,000 brls. Ry. 290, 379, Peter McEwan, Cap. \$20,000. Goderich Saft Works, dairy, table and common. Well, 20,000 bils., steam, Ogilvies & Hutchinson. M. Hutchinson, mgr. Coarse. Well, 800 tons, steam.

John S. Platt., Cap. 812000. Maitland Salt Works, dairy, fine and coarse. Well, 15,000 brls., steam and Lambton Eartton Salf Works Co., Ltd., C.A. Morris, prest., T. G. Morris, seey., treas, and mgr., Cap. 8tk, 800,000, tt 290,308.
Eartton, dairy, coarse. Wells, 12006 bris., steam. Warwick

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS WATER ROUTES AND SHIPPING POINT		A. R ROUTES POINT	AME OF COMPANY OR INDIVIDUAL, LOCKLEN OF PRINCIPAL OLDER. NAMES OF OFFICIES CAPITAL STOCK,  NAME OF WINE OR QUALIA, RIND OF SION), KIND OF MIND OR QUARRY, ANNUAL OUTLIET IN TORS OF  2. O POUNDS, KIND OF FOWER USED, STONY OF MALIGID MILE. THY RINNS AND  CALACALA, L.E., AND NAME OF MIND SEPTEMBLED ME.			
Tows	AND	COUNTY.				
Arnprio Ry.		Rentrew	John G. Walson. Cap. 84,000. Ollawa Grand, marble and limestone. Steam, mill			
Beamsy Ry.		Lincoln	William Gibson. Beamsville, himestone - 65,000 tons - steam - in 11 - John R tellic, supt			
Carlefor Ry.		Lamatk	Daniel R. McNeely, Union Open pit hand and horse,			
Cayuga Ry.	, E 440, 250.	laidimand	Rend Gibson - Cap St0,000. G been, Linestone. Open pit - hand			
Credit b Ry.:		Cardwell	Carroll, Vick & Co., Toronto, Ont. (8) Adelaide st. W., Cap. 8200 * - Brown and gray sandstone. Tunto p., 10,000 tons. Steam and horse. (mall.)			
**			Credit Valley Quaries Co., Ltd., Toronto, Ont. s. Bayst., V. Myers, prest, ingr. and supt., Chas. Efficit seey, and treas. Cap. sik., 85,000., Credit Valley, gray and Stown sandstone. Open pats. 17000 fors. steam, mill.			
		i	Scott, Pattullo A Co., Orangeville, Out - Cap. \$75,000. No. 1 Count Forks, 95 cyclstone - Tennel, to, ioctons - steam. He rman Pattullo, supt			
Cromar! Ry.	ty Dublin z		Anthony Allen Joean Cap, 88,000 Cromarty, Linestone Open p.1, 200 tons James			
		. Landrk . Perth %.	John Arthur - Linestone			
Grimsby		Ventworth	Grimsby Quarry Co., Ltd. 8 Webster, prest 47/4 Vebster solveator from 14/4 Webster material supt. Cap. 8tk \$20,000. Gray and brown sandstone. Slope, 1,000 tors. horse, hand and steam			
Inglewe Ry.	ын) 166, 1984	Cardwell	Britinel & Charlton, Toronto, Ont - Cap Styce. Anglewood, free stone - Stope - horse			
**			Charlton A.Co., Toronto, Ont. 3127 - Aonge st., Cap. 81k, 8,000 - Gray sandstone - Open pit, korcetons - horse and hand - Anthony Charlton, 8 pi			
**			David Graham. Cap Stone. Sandstone. Open pd. 4/50 dons, mand. Donald Suclad, supl			
		**	Thomas Murray, Cap \$10,000 Inglewood, treestone Sojo 1 asc			
		**	William Smeaton, Cap. \$20,000. Credit Valley, brown and 2 av sandstone. Onen pit, 4,500 tons, steam, and horse.			
		**	William Wilson. Sharp's, sandstone, (ubdde - Open pd. 40) tons - hotse - m ll - '			
Limelio Ry		Halten	Alexander Garvan, Cap. 81,000. Chardex, gray sandstone. Slope, 7 occions. hand. stone mill			
			Totonfo Lime Co., Ltd., 4ts 1 splanade st. Thos. Gowdy, prest. W. L. Scott seev and treas. Cat., 852,000. Limestone. Killi, 6,000 fons.			
Madoc Ry.	280.	Hastings	J. Brodigan & Co. Aletoria, himestone   Open pd. 125 tons. steam   W. P. Kerr, sopt			
	96, 290.	Halten	W. J. Hartley, Cap. 81,000. Abuntam Veni, sandstone. Slope, hand, kiln, 600 tons			
			D. Robertson & Co., Toronto, Ont., 423 Manning av., Rockview, Unicstone, and sandstone. Open p.t., 50,000 tons, horse and hand, mill, kiln, 4,500 tons. D.S. Robertson, supt.			
		Cardwell ugevillen6	William H. Hewson, Cap. 82000. Noltawa, sandstone. Open pit, 400 tons. hard			
			Owen Sound Stone Quarrying & Construction to a Pall, Owen Sound, One, S. J. Parket at St. W. E. Stevens, Seey, and treas. P. W. Sabiston, mar. Cap. 8th Source. Mone, 21aV s. adster. Some steam developing.			

Oneida Twp - Haldamand - Oneida Quarty Co. Ltd - Brantford, Ont. C. Market st - George - H. Walker, prest - J. E. MacKinfosl P. O. and Ry Nelles - Sevy, and Trase. C. S. Hob likes, v. prest, and mar - Gap - sikes 2000. The consistency of substitute of the stem of the Stemio obsorbing.

#### STONE, MARBLE, GRANITE AND ONYX-(CONTINUED)

LOCATION OF MINE
OR QUARRY,
RAILWAY, WATER ROUTES
AND SHIPPING POINT.
TOWN AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK,
NAME OF MINE OR QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF
2,000 POWER USED, STONE OR MARRLE MILLS, LIMERLINS AND
CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Orangeville (Wellington A. Franks (lessee), Orangeville, Freestone, white sandstone. Open pit, 1,600 tons; horse, 1saac Kicholas, supt.

Perth Lanark T. Alfred Poole. Otty Lake, limestone. 200 tons; hand; kiln, 80 tons. Ry, 96.

Remfrew Renfrew Canadian Granite Co., Ottawa, Ont. A. McLean, prest.; J. C. Rogers, seey.; C. I. Rogers, mgr. Cap. Ry, 96. S1,250. Plant's, gray marble. Open put, 255 tons; hand. Fred Hilliard, supt.

Rockdale Peterboro T. D. Ledyard, Toronto, Ont., 57 Colborne St. Belmont, white marble. Open pits and shafts. J. F. Ry. Havelock 26. Purdy, supt.

Thorold Welland Wm. Cartmell. Cap. \$00,000. Mountain, gray limestone. Open pit, 6,000 tons; steam and horse. Rv. 290.

. Hastings Humgerford Marble Co., Ltd., Toronto, Ont., 31 Wellington st. E. P. W. Ellis, prest.; Wm. G. Ellis, secy, P. O & Ry. Madoc 200. and treas. Cap. stk.\$100,000. Black, blue and white marble. Open pit; steam.

SEE ALSO SUPPLEMENTARY LIST

## QUEBEC

### ANTIMONY

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OPTICE IN TONS OF 2,000 POUNDS, KIND OF POWER USED, AND NAME OF MINE SUPERINTENDENT.

South Ham

Wolfe, James Reed, M. D., Cap. 839,000. South Ham, anteniony. Shafts, tunnels, steam,

ASBESTOS LOCATION OF MINE NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK RAILWAYS, WATER ROUTES NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2.00 POUNDS, KIND OF POWER I SED, AND SHIPPING POINT. MILLS, ETC., AND NAME OF MINE SUPERINTENDENT. TOWN Black Lake Megantie Anglo-Canadian Asbestos Co., Lid., Montreal, Que : 30 St. François Navier st. Trw.n. Hooper & Co., mg/s P. O. Despardins - Ry Caje stk 8125,000. Open pits, 1,100 tons sti 609 Glasgow & Montreal Ashestos Co., 14d., Glasgow, Scotland, 68-8f-Vincent st., Marthew Penhale, mr.i. and supt. Cap. 8tk, 850,000. Glasgow and Montreal. Open pds, 1,000 tons, steam. A Tremblay, St. Agapit, Lothungre County, Que Cap. 860,001 Asbestos Open p.f. developing) United Asbestos Co., Ltd., London, Eng., Dock House, Billiter st., E. et al., James Allport, prest., J. Altred Fisher, trens, and mgr., Cap. stk., Society, Asbestos. Open pits, socious, steam., John J. Penhale. Reaudom, Veisy & William, East Broughton, Que. Cap. \$6,000. Asbestos. Horse and hand odevelop-Broughton Station Beauer Ry, 609. Alt. Gagne - Open but Glasgow & Montreal Ashestos Co., Ltd., Glasgow, Scotland, c. St. V. no. nt.st., Watthew Penhale, ingrand supt., Cap. stk. 850,000., Glasgow and Montreal. Open p.1s. Lorentons., steam. Hall & Price Quebec, Que Price Hand developing Ashestos Mining & Manufacturing Co., Denver, Colo., Arthur Meconic Pepest, and ingr., G. W. Carn, shaw, seey., T. H. Whiting, frens., Cap. 8th, \$100,000., Dannel, developing. Duckingham Officera IN. 196. Amenian Asbestos (n. 14d., Eaverpool, Eng., 5 Chapel Walks (Louis Wertherin, prest) D. Vabrielsen, seey and trens. 14d Werthein, 6/27. Cap sik (2000). Wertherin: Open pits, burnels (steam and compressed art. 1/2). A Wern, single ColeranneStation Meganitic Ry, Black Lake 609 James Reed, M. D., Desjardans, Que., Cap., 8100,000. Asbestos. Open jets, Co fons, steam and compressed att., James Savage, supt. Richmond W. H. Joffery, Cap. 8750,000. Danville: Open p.t. 2000 tons. Steam. Book if J. Thorpe, supt. Danville Hull Offawa, Asbestos Mining & Mannfaeturing Co., Denver, Colo. a. Labor Block. Arthur Met onnell, prest., G. W. Carnshaw, seev., F. H. Whiting (treas., Cap. 8th, 810,000), Shaft, steam, ocycloping. By 56 Templeton Asbestos Mining Co., Ltd., London T. C., Frag. a Hercules Passage, Threadneedle st., Endolph Wissmann, prest. G. F. du Clouth (seey., Triedrich) Crkel mgr. and supt. Cap 8th 812500. Open Ottawa By East Lempleton 96, 8t.François Beance Beance Beance Ashestos Co. J. Godbont, prest , P. Angets, seev, and not. I. Fortier, treas. Cup. 8tk, 800,000 Ry, 609. Dos Plantes. Open pit and shalt. Theftord Mines Megantic Bell's Asbestos Co., London, S. F., Fug., 418 Southwark st., John Bell, ptest. J. J. Maclaren, seev. D. Ry. 60.

A. Brown, mg., Bell's. Open pits, steam and compressed an a two R. Sin th, sapt. Johnson's Asbestos Co. Quebec, Que , 8t. Peter st., Goo, Irvine, prest. Lawrence Lynch, seev, and treas. A S. Johnson, mgr. and supt. Cap. 8th 8250,000. Johnson's. Open p.1, 1,000 tons. Steam. Therfords Asbestos Cotton Co., New York City, 45 WPLant 81 - Editinal W. Posvers, prest., J. W. Bance, seey., F. I. Whiteenill, frens., Oscar G. Farron, mgr., Cap 8tk, 8500000 - Fower 8 - Open pat Jordons Steam., Patrick Camden, supt.

V.O. Bergeron, Open pit, horse Wolfstown Wolte Ry, Coleranie Sta. 609.

#### COPPER

Location of Mint, KAILWAYS, WATER KOLDS AND SHIPPING POINT Tows

NAME OF COMPANA OF INDIVIDUAL LOCATION OF PERSONAL OFFICE, NAMES OF OFFICE CAPITAL SOCIETY NAME OF MINE, KIND OF ORE, KINDOOF MINE, ANNUAL OFFICE IN LOSS OF 2 FOLIANDS. KIND OF POWER USED, FURNOES, LTC. AND NAME OF MINE SUPERINTENDENT

Broughton Station Beance (Leeds Copper Co., Ltd., London, Fig., 11 Bloomfield St., I. C., R. P. Gould, prest (\* 11 Smith 80, Ry. 60).

(a) 8th 800,000. (Leeds, copper Shatt, 10,000 tons, steam. Fred Hock hg.s.) pt.

Robertson Sta. Megantic Theodore Pare, Cap. 82,000. Pare's, copper. Open pit, hand,

Sutton Brome, Daniel F. Smith, Cap. 810,000, North Sutton, eagper, Shatt horse West Broughton Megantic, James Noonan, Copper, Open pit

#### GOLD AND SHAVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

Jersey Mills Bear Ry, 8t François 325.

Beauce Louis Gendreau, Jersey, gold. Placer, tree; water,

Leeds Ry. Broughton Sta. 609

Megantic John H. Nutbrown, West Broughton, Que. Gold and copper. Shaft and drut, retractory; hand,

Martow Ry. St. Frangois 609

Beauce John Armstrong & Co. Armstrong, gold and silver. Shafts, free; hand,

Patten (P. O. Eastman) Ry, 96. Risborough

Ry 96.

Brome Memphremagog Mining Co., Eastman, Que. C. C. Smith, prest., Thomas Bell, seey, and treas. Cap. \$50,-Rv. 96. — 600. Patten, silver, copper and iron—Shaft and tunnel.

Beance John Armstrong & Co., Marlow, Que. Armstrong, gold and silver. Shafts, Iree, liquid.

#### TRON

LOCATION OF MINE. RALLWAYS, WATER ROUTES AND SHIPPING POINT.

COUNTY.

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 FOUNDS, KIND OF POWER USED, BLAST FURNACES, ETC., AND NAME OF MINE SUPERINTENDENT

Ascot Ry, and P. O. Eustis 71.

Sherbrooke Eustis Muning Co., Capellon, Que. A. E. C. Eastis, prest, seey, and treas.; John Blue, mgr. and supt. O. Eustis 71. — Cap. 8tk. \$750,000. Eustis, from and copper pyrites. Slope and shaft, 40,000 tons, steam and com-Cap. stk. \* pressed air.

Bristol Poncas (P. O. Billerica) Ry. Wymans 96.

Pontiac | Ennis & Co., Philadelphia, Pa., 420 Walnut st. Bristol, magnetic. Shaft, slope, open plt, 55,000 tons, ear Ry. | steam. Thos. M. Williams, supt.

. Megantie J. A. MeVety. Leeds. Open pit, hand Ry. Robertson Stalion.

Montreal Champlain Ganada Iron Furnace Co., Ltd., Montreal, Que., New York Life Insurance Eldg., P. H. Griffin, prest.;
Thos. J. Drummond, Seey., Geo. E. Drummond, trens., John J. Drummond, urg., and supt. Cap.
stk, Spagnon. Bog and magnetic, 40,000 tons, Purnace, 1500 tons. (Mare in Champlain county.)

Sherbrooke "...Sherbrooke" S. E. Smith. Smith's, magnetic. Shaft (developing). Ry. 609.

#### MINERAL PAINT

LOCATION OF MINE. RAILWAYS, WATER BOUTLS AND SHIFFING POINT.

Name of Company of Individual, Location of Phincipal Office, Names of Offices, Capital Stock. NAME OF MINE, KIND OF PRODUCT, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, PAINT MILLS, ETC., AND NAME OF MINE SUPERINTENDENT.

AND

Three Rivers Champlain Canada Paint Co., Ltd., Montreal, Que., 572 William st., 8 F. McKinnon, prest., II. M. Dellatt, seey., Ry. St. Malo Saling 96 [Install Gelling, treas., Robert Munro, mer., cap. 848, 855,000, 84, Malo, magnetic tron oxide. Open pit, 400 tors, horse and hand. Ame in Champlain country.]

#### PHOSPHATE

LOCATION OF MINE RAILWAYS, WATER ROUTES AND SHIPPING POINT

COUNTY

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME AND KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2.000 POUNDS, KIND OF POWER USED, MILLS, UTC., AND NAME OF MINE SUPERINTENDENT,

Burck suchana Ry. 96.

Ottawa Canadian Phosphate Co., Ltd., Montreal, Que., 200 Commissioners st., H. C. Miller, prest, and mgr., P. C. Packard, seey. Cap. 8th 820,000. Open pats and tunnel, 8,000 tons, steam. Thos. Lyons, supt. East Templeton District Phosphate Mining Syndicate, Ltd., London, Eng., 4 Fenchurch St., J. F. Higginson, mgr., Cap. 8th, 830,000. Shatts, open pits, 5,000 tons. Steam, mill, 7,500 tons. S. Hunter, supt.

General Phosphate Corporation, Ltd., London, Eng. Lord Stallbridge, prest., J. L. Langmead, seey., Alex. Renson, mgr., Cap. srk, 81,000,000. High Paths and Ross Mountain. Pits and sharts, 5,000 tons. Aby, Benson, mgr. Cap. 8tk steam. Wm. R. Stewart, 8mt

East Templeton Ottawa Ganada Industrial Co., Ltd., Wontreal, Que., 189 St. James St. C.B. Falardeau, prest, and mar., F. R. White, seep stress - rap 8th, 850,000, Phosphate, mica, feldspar, baryles, asbestes and quartz. Slope, put, shaft, 8000 fours, steam. E. Leelere, supf.

East Templeton District Phosphate Mining Co., 13d., Montreat, Que., s Custom House Square. A. Hunter, prest., C. M. Anderson, seqs. dreas. Cap. 8tk. 800,000. Blackburn. Shatt and open pit, 6,000 tons, steam. J. F. Hugginson, 8upt.

Electric Mining Co., Ltd., Ottawa, Ont., 16 Metcalt St., J. W. McRae, poest., H. McRae, seey, and treas, Cap. stk. 840000. Bull Dug and Diyae Lake, rock phosphate. Shatts and open pits, 2,000 tons; steam Cap. stk. \$40,000. Bull Dog and Dix and electricity. James Kefly, supt.

Ottawa Glen Almond Ry, Buckingham 96. High Rock Ottawa

Emerald Phosphate Co., Buckingham, Que. Emerald. Slopes and tunnels; hand. Robert Henwood, supt. Central Lake Mining Co., Buckingham, Que. Central Lake. Shaft, tunnel, pit. steam. Joseph Gilchrist.

Ry Buckingham 96.

sphare of Lune Co., Ltd., London, Eng., Augustus Abraham, prest., Westwood Richards, seey. Cap sik \$250,000. Hrgh Rock, phosphare of line. Shaft, timnel, pit, 6,000 tons, steam and compressed air A. P. Twidale, supt. supt. Phosphate of Line Co., Ltd., London, Eng.

Perkins Ottawa By Last Lempleton 96. Netherlands Phosphate Co., Amsterdam, Holland, Engene Bunge, prest., J. Kogel, mgr. Cap. 8tk. 8200,000, Amsterdam, apatite. Shatt and pit, steam. T. C. Reichenbach, Supt.

Town

#### SLATE

LOCATION OF QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT.

AND COUNTY.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF QUARRY, KIND OF SLATE, KIND OF QUARRY, ANNUAL OUTPUT IN TONS OF 2000 POUNDS. KIND OF POWER USED, MILLS, ETC., AND NAME OF QUARRY SUPERINTENDENT.

New Rockland Richmond Ry, Rockland Slate Co., Montreal, Que., 35 St., Paul St. Geo. A. Drummond, prest., James Terrier, Ry, Rockland 250. Spars, Thos. R. Bacon, seey-freas, J. J. Williams, mgr. and supt. Cap. 81k, 8150,000. Roofing Slate, Open pit, steam, water, cleerfielly, mill.

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY, RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK. NAME OF MINE OF QUARRY, KIND OF STONE, KIND OF MINE OR QUARRY, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, STONE OR MARBLE MILLS, LIMERIUSS AND CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Didswell Centre Ry. 414.

"Wolfe Dominion Lime Co., Sherbrooke, Que. Frank Jones, prest., J. R. Woodword, seey., F. K. Buck, treas, and mgr. Cip. 8th, 845,000 Dominion, linestone. Open pd. 6500 tons, steam, kdm, 65000 tons. J. H. Barker, supt.

COUNTY

Sherbrooke & Dudswell Lime & Marble Co., Sherbrooke, Que. [1] J. Tuck, prest., H. P. Ruck, Seey., F. P. Buck, Greas, and mgr. Cap 84k, 850,00. Limestone and marble. Open pit, steam.

Perce. Ry, 707 and as. Joseph O. Boucher. Cap. \$10,000. Limestone and plaster. Slope, open pit, 10,000 tons, horse; killis, 10,000

St. Alban. Ry. La Chevrotiere 96.

Portnent George Benneage, Portnent, que Cap. 830,000. 81 Alban, cut stone. Open pat, 12,000 tons, steam, horse, virolière 96. hand, mill, limekdin, 2,000 tons. Trangois Benneage, supt.

Stanstead Ry. 71.

Stanstead Stanstead Gramte Co., Reche Plan, Cone. H. W. Liber, prest; J. R. Fregenn, vice prest., J. W. Liber, secyctress., S. B. Norton, meg. and supt. Cap. Sik. 825000. Stanst ad., light and dark grantle. Open pit, 6,000 tons. steam and horse, mill.

SEE ALSO SUPPLEMENTARY LIST

### SUPPLEMENTARY LIST

# MINING COMPANIES AND OPERATORS

## DOMINION OF CANADA

WHOM WE HAVE REASON TO BELIEVE ARE AT POINTS GIVEN, BUT WHO HAVE FAILED TO FURNISH DESIRED DETAILED INFORMATION FOR REGULAR LISTS.

POSTOLLICE

NAME

### BRITISH COLUMBIA

#### COAL BITUMINOUS

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#### COPPER

C. J. Law Golden Stadacona Silver Copper Mining Co Victoria

#### COLD AND SILVER

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D. Clark & Co	**
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W. H. Hendryx & Co	
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Atwood, Smith & Co	
Wm. Austin	**
V. Brown	
J. M. Buckley	
Campbell & Creston	
Chaplin & Co	
Chaplin & Ruenberger	
R. Denzler	
Denzler & Donglass	**
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Ewing, Knightly & Co.	
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Frank Gome	
Matt Hatter	
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Mrs. McAuley	
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Mrs McDonnell	
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	G. A. Wade	Co
SLATE  17. Nightingale & Co Nanatino	J. J. Brenton Middle Stewiacke	H. Parsons Victoria Munic Co. Garden River
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STONE, GRANITE, MARBLE AND ONY)	C. P. Maynard	H. Farsons Wietoria Mining Co
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Quarry Co Nanaimo Texada Lime Co, Vancouver	Peninsula Gold Mining	walter Betts Nickel City John Ferguson North Bay J. E. Askwith Ottawa Beaver Silver Muning Co. Port Arthur James Commee. East End. Silver Mount-
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Vancouver San Juan Lime Co British Columbia Pottery	Grenough Bros John Morrison P. O'Shanghnessy, J. W. N. Roeves Ed. Whidden Mel Jounella F. Andrews, Rentrew Class, H. North, W. Thompson,	ain Co. N. Garland
BritishColumbia Pottery	J. W. N. Reeves	Peter Gerony
& Terra Cotta Co Victora 48 Langley St. Koksilah Quarry Co	Ed. Whidden "MeDonnell& F. Andrews.Rentrew	Peter Gerony . " Thomas Marks & Co " Silver Mountain Co. "
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COAL	Antigoneth Co. Stormont Mason Co	Johnston Sudfury
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IRON		J. M. Clarke, Toronto W. D. McPherson
Londonderry Iron Wks Londonderry		W. J. Skynner, esq.
STONE, GRANITE, MARBLE AND ONY	IRON	J. M. Clarke. Toronto W. D. McPherson W. J. Skymer, esq. " Straight Lake Mining Co." Toronto Gold Mining & Reducing Co.
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NAME	POSTOFFICE	NAME	POSTOFFICE
Aug. J. McDonnell	Sudbuty	Captain Boyd Smith.	Parkham
Andrew Wadle		Anglo-American Minn	
Sydenham Mica & M		Co	Perth
ing Co	Sydenham	Wm. Davis	
Empire Mining Co	Toronto	D. J. McDunla	**
Henry Loundes	••	A. J. Matheson.	
G. F. Marter		A. C. Vaughan	Port Arthur
Nickel Mountain Co.		J. A. Jannieson	Benfrew
Nickel Steel Co. of C	)II-	Thos, Henderson.	**
lario		- Morgan	**
North Shore NickelMi	m-	C. A. Russell .	4.
ing Co		M. L. Russell	
Sudbury Nickel Co	**	R. J. Brodge	Smith Falls
Walmapatae Nicklet's		Isaac Usher & Son	Thorold
Tom Sheppard		Mynes Terra Cotta	
The Chicago Nickel Co			Toronto
Wm. McVithe		Mycian Marble Co	
		Canada .	114
PHOSE	NATE	Toronto Grande Co	
PHOSE	HAIE	K. Leshe	West Toronto Jn.
Fleming Phosphate Ce	Kingston		
FrontenacPhosphate C			
Electric Mining Co			
to Metealfe st.			
Little Rapids Mining C	'o.Victoria Chambers	— QUI:∷	13 P.C
Super Phosphate Co		ASBES	TOS
Blessington Phospha Mining Co.,	He is a	70050	.00
		Brompton Lake Ashe	· -
Hamburton Mining Co.	. Totolito	tos Mining Co	Broundon Lake
	_	Scottish Canadian Ashe	· ·
SAI	LT	tost'o	Broughton
		Richmond State Quarr	\
Enterprise Salt Wks.		mg & Manutaeturu	in
North American Cher		& Ashestos Co	Richmond
real Co	Goderich	Beaver Asbestos Co.	Sherbrooke
McMillan, Kiftradge &			
Producers Tanking Co	. "	COAL BIT	UMINOUS

STONE

Vrujeror Carleton Place

Cayuga

Credit Forks

Inglewood

Kineardine Kingston Lamehouse

Orangeville

R McDonald & Son. H. F. McLaughlin Win. Spence Γ. McEwen

G. G. Smith.
Smith & Way.
R. J. Mettreger
J. Meyers
Arthur Pryn.
Kunsto
Brock Lake Mino
Jas. Newton
Jas. Newton
Jas. Newton
Milton Pressed Brack
Sewer Tiple to.
W. Buckmann
Vorval
Advantiew

Milton
Vorval

V McAndrew 8 Arvott Joseph Pattullo Orangev Oranstown Erick & Terra Cotta Co Ottawa 86 Spatks 8t.

Adamant Co T. Martindale Dent & Sons G. G. Smith

## 

CumberlandRy & Coaff o Montreal Imperial Edg. Place of Armes. Interedomal Coal Min ing Co. 1790 ommissionet St.

#### COPPER

Nelodas Chemical Correction Excelsior Copper Correction W. Broughton IRON

John McDongalt.	<ul> <li>Drammondvila</li> </ul>
Moisic Tronct of	Morrison
Capt R. C. Adams	Montreal
Blioc, Lower & Co.	
Octave Chantonny	W. Brongliton
John Raleson.	
John Robenson	
Licentes Present	

#### PHOSPHATE

Ottawa Phosphate Mar Jug Co. – "Duckingham Anglo Continental Tota

NAME	POSTOFFD E
no Works Co	
Anglo-Canadian Pho	
pliate Co	Montreal
Dominion Phosphate	
Mining Co.,	**
103 St. François Nav	14°T
MacLaurin Phosph	
Mining Syndicate	
Custom House Squ	
North American Ph	11%-
pliate Co.	
30 St. Frangois st.	
Setustopol Phosph:	rte.
Syndicate	
Custom House Squa	Tr.
Templeton & North tawa Mining Co	
St. François Vavier	
SUPERINGUES VALVOOR	<b>*</b> I

#### SLATE

Danville State Quarry Richmond St. Francis State Quarry "

#### STONE, GRANITE, MARBLE AND ONYX

North Star Mining co.	Buckingham
Central Lake Mining Co	i
A. Lomer .	**
Thomas Lyons	**
A. P. Lwidab	**
L. N. I. Henrense	Chateau Richer
L. M. Lambert	
Julien Lapounte	
Sittend Simural	
Jean Baptiste Langway	4.1
Johnson & Loomis	Coleraine
Laurier Mining Co.	
G. H. Nichols & Co.	Lennoxyille
Finalish Portland Cemen	
1 11	Montreal
aost François Vavier's	
Itwin Hopper & co	
anst I have ous Valvert's	
Joseph Vallege	Robertson Station
Pietre Chaleanyort	St. Vbatti
Damase Nand	** ***********************************
I. Permisse	
Ingone Dieard	So It An Heronalt
We have Desard	The Art Herrican
Harmolas Lagasse	
Garden Menud	
Orbic Picard	
Oddle Sagnay	
Done men Marks co	Sherbrooke
More Granate Co.	Stanstead
Haselton & Moss	THE PARTY AND LOSS OF
L. I. School I.	Sutton
J. L. Caron	Fadousae Saguenay
Ring Bros	Thettord Mines
Lando , Matchell & co	Therford Milles
Ward & Ross	
	M. H. L. B. C.
Wortestown Mining Co.	Doubles (CA)



#### LIST OF

# MINING COMPANIES AND OPERATORS

### REPUBLIC OF MEXICO

(SEE ALSO SUPPLEMENTARY LIST, PAGE 482)

#### VZTIMOXY

LOCATION OF MINE. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, RAILWAYS, WATER ROUTES NAME OF MINE, KIND OF MINE, ANNUAL OCCUPATION TORS OF 2,000 POUNDS, KIND OF POWER AND SHIPPING POINT. USED, AND NAME OF MINE SUPERINTENDENT AND

Nieves, Zaenteeas Ry, Jamenez 434 (9n miles)

Zacafecas, Fasilio Moreno, 42 Caffe, de la Capa, Zacafecas, Mex., \$20,000. Santo Niño. Antimony. Shaft, and open pit, 30,000 tons, tree

#### COPPER

LOCATION OF MINE. RAILWAYS, WATER ROPTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, AND ALD OF FUT IN TONS OF 2,000 POUNDS, KIND OF POWER UND, FURNACES, ETC., AND NAME OF MINE SUPELINIENDENT.

Santa Rosalia (Lower Cal.) Compagnie du Boleo, Paris, France, "Cife d'Ontin (Chas. Latorgie, mgr. Cap. 8tk, 87,000,000) Boleo, Ry 685. Shaft, Igogor Cons., steam.

#### GOLD AND SHATER

LOCATION OF MINE RAILWAYS WATER ROTTES AND SHIPPING POINT.

4 arbo Ry. 26, 685.

Correlatos. Ry San Jose 131.

LIGrande

El Potrero — Clubuahua (P O Jesus Maria) Ry Clubuahua 434 (250 miles).

Guadalupe Calvo Chibiahua (P. O. San Jose) Ry Chibiahua 43 NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE ANNIAL OUTPUT IN TORS OF 2000 POUNDS, KIND OF POWER USED, STAMP MILES, LTC., AND NAME OF MINE SUPERINTENDENT

Sonora Gowan Mining Co., Minneapolis, Minn., 401 Neoflet av. A. H. Linton, prest. († 8. Langdon, seev. and. Iteas.). John A. Gowan, nigri, and supt. (Cap. stl. 8500,000 - 17 Socorto, silver - 8 hatt. retractory.)

Catoree San Lins Potosi Compania Minera Anonima de Concepción y Anexas, San Lins Potosi, Mexi, da Calle de Mailtos, Carlos Ry, Vanegas 436 (20) Diez Coffierrez, prest , Paulano I. Alfmanzo, seev and treas , Class E. Hoffman, nigr. Concepción Prisca, gold, silver and lead. Shaffis, funnels and slopes, 80,000 tons, retractory and tree, steam and horse, forsimps. Lins Barragam, supt. Valenciana, San Lins

Compania Minera del Retugio - Mateas II Soberon, prest. Adolto Oldoerp, mgr. and supt. La Laz, silver. Junnel, 5,000 toris, tree, horse, patro process. Todores, silver. Shatt and tunnel, 1,500 tors. tree; horse, patio process.

Compania Union Caforceña. Pedro de la Maya, prest-and-treas. Bernobe Rocha secy. Joaquin Barrero, ingr. Cap. sik. (syndicate). San Augustin, silver. Shaits, tunnels and ents, 7,46 fons, retractory. mgt. Cap stk. (syndicate). hotse. Isabel Carillo, supt.

Gregorio de la Maza. Cap. \$1,000,000. Negociación de Santa Ana, silver. Tu-tons, free, steam and electricity, patio process. Francisco M. Coghlan, supt. Annuels and shatts 15 000

Chilmalina Corralitos Mining Co., New York City, 3d Evchange pl. Solon Humphreys, prest. S. Newton Smith, use 13d. seek, and freus. Britton Davis, ingl. Cip, silk 81,90,000. Cande Jaria, S. in Pelfro, Leon, Congress, and others, gold, silter familie and Solopes, Joset fors, retractory, steam, concentrator and similer. Conc. Bonne, supt.

ande . Sonora El Plomo Gold Mining Co., New York City, 29 Broadway. II, Cammins, prest . John C. Regerts, seev. Or and Ry, Santa . Geo D Roberts, mgr. Cap 8th 84,230,000 Colorado, El Plomo and Blanco, gold silver and lead. Shatt and tannel, retractory, Steam, smeller.

Chilmalina El Potrero Gold & Silver Minding & Milling Co., Cheengo, Hl., I mon Stock Yards — N. Cochran, prest , J. C. Sils Maria — Dentson, vocy and trens., S. S. Gattes, ingr., and supt. Cap. stk. skownooc Gonadalupe gold and silver Islant and Infinel, Edocotions, tree, victum, 28 statups

San Jose Consolidated Gold & Silver Mening to Chicago, III (2000 hamber of commerce Bid.) Win G. Rover, prest. Edgar B. Tollman, seep. Austin B. Reeve, freas. G. Promain, m. r. (cap. 8th. 85,000,000, Forty-africe claims, gold and silver, steam and water developing).

Ry. 687

IO. 434.

nules

Manistral

#### GOLD AND SHLVER-(CONTINUED)

LOCATION OF MINE BAILWAYS, WATER ROUTES. NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCE. NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL DUTPUT IN TONS OF 2,000 POUNDS, KIND AND SHIPPING POINT. OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDENT. STATE Guanacevi. Durango Canuto Bolivar, Cap. \$500,000. Guadalupe, silver. Shaft, ent. 2,000 tons; refractory; horse, Daniel Bar-Ry.Jamenez434 (1800), c. raza, supt. Compania Minera La Sirena Mexico, 8 Calle de San Francisco, Mey Martin del Castillo, prest.; Manuel Vuaneo, secy., Antero Munizari, treax., Cannto Bolivar, ngg., Guanacevi, Durango, Mey. Cap. stk. 8809000. La Sirena, gold, silver and lead. Shaft, 20000 fors; refraetory; stean; 2 Chii mills. Juan B. Duarte, supt. Guaymas. Source Culf Gold Mining Co., Akron, Ohio, Cap. stk, \$2,000,000. Santa Marta, gold. Tunnel: free: sleans. Ity, 552 Durango Compania de Guadalupe. Guillermo I. Benton, prest, and supt.: Miguel M. Samper, secy.; Andres Avila. 34 (200m.). — treas. Cap. stk. \$15,000. Guadalupe, silver and lead. Shaft, smelting: hand. Ry. Jamenez 434 (20m.). Garabatos Mining & Smelting Co., Joliet, Ill., 63 Young Block. J. Russell Barks, prest.: Geo. J. Munne, seey., D. Robertson, trens, and mgr. Cap. 8tk, \$2,000,000. Garabatos, gold, sliver and lead. Shaft, 6000 tony, retractory, steam. Frank Her, sup. Inde Mining Co., 4 E. First St. Henry R. Wolcott, prest.; P. S. Bailey, seey, and treas.; E. M. Parrish, mgr. and supt. Cap. stk. \$500,000. Mina del Agna, silver. Shaft; refractory; steam and water.

Negociación Muiera del Caballo. William Benton, Corpus Christi, Tex., prest, and mgr.: Juan B. Baea. Jimenez, Chilmahua, Mex., sevy, and treas. El Cabatlo, sliver, lead, carbonates. Shaft and tunnel. 25000 tolos, smelting, free; hajdi. W. I. Benton, supt. Tepocates Mining & Smelting Co. C. B. Zeck, seey, and treas.; D. W. Farris, gen. mgr. Los Machos, silver and lead. Shaft, 1,200 tons; refractory. Quirino Corrilla, supt.

Santa Eduviyes Mining & Milling Co. H. A. W. Tabor, prest., C. J. Rowell, seey.; A. S. Weston, treas.; J. C. Carrera, mgr., Cap. stk. \$1,000,000. Santa Eduviyes, gold and silver. Tunnels, 10,000 tons; Treesseam and water; 25 stamps. Jesus Maria - Chibnahua Ry Chibnahua 434 (250 mates Magdalena Sonora

Sonora Gold & Silver Mining Co., Cleveland, Olno, W. M. Williams, prest.; H. W. Gebaur, seey.; J. S. Margan, mgr. Cap. stk. Suoso. Homeric, Cleopatra, Josephine and Isabel, gold. Shatt, tunnel, tree; steam, io staints. E. Ripi, suita. Durango

Lustre Mining Co., Puttsburg, Pa., 35 Fitth av. H. D. Gamble, prest.; W. J. Miller, seey, and treas. Capstk, \$200,000. Coefnera and Colorado, gold and silver. Shatt, 6,000 tons; free, refractory; steam; stamps and pulveriess. J. A. Reed, supt. rP O ElOro Ry. Jane encz 434 (130 miles). Matchuada SanLuis-Potos By, 436. Compania Minera La Paz Matchuada, 2 Calle del Moro, San Luis Potosi, Mex. Anastasio Moreno, prest.: Europic Barrenecher, seey, and freas. Santa Maria de La Paz and others, gold, silver, lead and from Shaffs, 50,000 tons; tree; steam. Guillerino Dingwall, squt.

Santa Rita Mining Co., W. R. A. Dungwall, prest, and mgr.; Jose Peregy Perez, treas. San Silvestre, La Colorado and Santa Rita, silver, lead and iron. Tunnel and shaft, 3,000 tons, retractory. Josus Fedro Flores, supt.

"Clidualiua El Socorro Mining & Milling Co., Cinemiant, Olifo, Room 16 Neave Bldg. Wilson E. Griffiths, prest., Judson W. Breed, sery, and trens; Jas. F. Mason, big., and supt. Cap. 8tk, \$100,000. El Socorro, gold and silver. Sharts and tunnels, 14,000 tons, tree, steam, mil.

La Dura Mining & Milling Co., Cincinnati, Ohio, Room 40 Neave Bldg. Wilson E. Griffiths, prest.: Judson W. Breed, seep., and treas. John R. Patton, mgr. and supt. Cap. sik, 8125,000. La Dura, gold and silver. Sharts and tunnels, Iree, steam.

Chilmahna, Roberts & Broxton, El Paso, Texas. Fermosa, silver and lead. Shafts; free; hand. A. C. Broxton, supt. Oneghente Rv. 434.

Hidalgo San Felipe de Jesus Mining Co., City of Mexico, Calle Gante 14. Samuel B. Knight, prest., Jose D. Vargas, sery., A. C. Young, treas., Francisco Rule, ingr. and supt. San Felipe de Jesus, gold and silver. Paclinea. secy., A. C. Young, treas., Francishatt, 1200 tons, refractory, horse, Rv. 434. Pariai Chilmalma Ry, Junenez 434 (90

Chihuahna Compania Minera de El Fajo, Mex. Francisco Gomez, prest. Lie Justo Prieto, secy ; Miguel Chavez, ez 434 (20) (reas., Victor Esperon, ngr. Syndicate, El Fajo y Anexas, silver and lead. Shatts, timuels and slopes, 3,500 tons, retrinetory and free, Jose Calles, supt.

Cia Minera de San Gregorio, 2a Calle de Guadafupe. Lie Mignel Rodriguez, prest, and mgr.; Ricardo Rodriguez Dominguez, secy: Ricardo Rodriguez Chavez, Ireas. Cap. 84k; \$50,000. San Gregorio, silver. Shafts and Immels, 4,200 tons, tree, steam. Ricardo Martinez, 840. Hidaigo Mining Co., Pittsburg, Pa., Westinghouse Bldg., John H. McKelvy, prest., Samuel E. Gill, seey, and treas., Jas. L. Long, mgr., Cap. Stk. \$1,000,000. Philadelphia, Presena, Salto, etc., silver and lead. shaft, refractory, steam; mill.

Compania Minera San Patricio, 2a Calle de Coronado. Francisco Gomez, prest. Victor Esperon, secy., Alignel Domingnez, treas, Júan Almanzan, mar. Synthesite, San Patricio, silver and lead. Shaffs and tuniels, 3,000 toos, retractory, mules. Sanon Armendatriz, supt.

Negociación Minera de Veta Grande, Federaco Stalltorth y Hermano, owners. Veta Grande, and El Verde, gold and silver - Shafts and humels, 20,000 tons; free, steam, 30 stamps. Carlos Scitett, supt.

North American Mining Co., New York City, 60 Brondway, Room 428. D. T. Alger, prest.; A. C. McMeedian, seey., C. J. Luce, treas: W. H. Kingsbury, ngr. Cap., 8th. \$2,500,000. San Cristobal and San Rarael, silver. Slatt and slope, 5,000 forus, free, horse, mill. T. S. Kingsbury, sipt.

John F. Ramsden. San Francisco and La Morena, silver. Shaft, 5,600 tons: free, horse,

J. F. Serberling, G. C. Beckmann, mgr. Cap. \$150,000. Altarena and Viscaina, silver. Slope, 10,000 tons, retractory, steam.

Federico Stallforth & Bro. San Francisco del Cerro Colorado, gold and silver. 4,500 tons. unile. Clement Kuchle, supt.

Lownsend, Canal Dover, Olno, Cap. \$50,000. Quebradillas, silver. Shaff, retractory; steam.

Le Mars & La Dura Mming Co., Le Mars, Iowa, G. C. Maelagan, prest; E. D. Chossell, seey., J. W. Myers, trens., J. D. Knotts, mgr. and supt. Cap. stk. 81,000,000. La Dura. Shaft, free: steam: 10 stamps. Piedra Langa - Chilmahna Jamenez 4-4 (160) BA.

#### GOLD AND SHLVER-(CONTINUED)

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TORS OF 2,000 POUNDS, KIND OF POWER USED, STAMP MILLS, ETC., AND NAME OF MINE SUPERINTENDEST

Pinos Ry. La Honda 434 (25 miles).

- Zacatecas Compania Muora Anoninia de Candelaria y Anexas, san Lus Paton, Mex., da Calle de Maltos No. 1, dda 434 e25 Edward Meade, prest, and treas; Francisco Costo, seey. Cap. sixt. 8200,000. Candelaria, gold and silver. Shaft 4,000 tons, free, steam, horse, patro process. Carlos Falameon, supl.
- Ry. Salmas 434 16 m.
- Guadabipe Mining & Milling Co., Cheargo, Ell., 225 Dearborn St., Win, H. Fuller, prest., W. W. Watson, seey.; B. A. Watson, treas., Isaac N. Miller, mgr. and supt. Cap. stk, \$1,000,000. Guadabipe, gold and styer. Shuff; free. San Lius Polosi Ramos Mining Co., Milwaukee, Wis., I., S. A., 425 E. Water St. C. A. Read, prest., J. C. Iversen, seey, and treas, Jas. F. Flyin, ingr. and supt. Cap. 8th, 800,000. Twenty-eight mines, silver and eupper. Slatts, retractory, steam.
- Rosa Morada (P. O. Ro O. Rosa Morada) Ry, San Blas 552. Sabmal Chibrahua
- Ry Sandose (34000m)
- Jaiiseo Santiago Mailiag & Milling Co., Oakland, Cab., U.S. A., J. S. Barpee, prest., L. F. Farr, seey.; W. W. Orada). Whatman, Breas., J. A. Chesnitte, ingr. and supt. Cap. stk. 8100,000. La Reforma, gold and silver. 522. Shart and funnel. Jaroo Roy, and free, water, mill. "Alme in Fepa Ter".
- Salmas Ry. 436.
- Santa Domingo and Bismark, gold, silver and lead. Tunnels and Mungenberger, Cap. 8100,000. shaft, 1,000 tons; retractory, horse. Ternando sortero, supt Fouras & Cleotas Safazar. Mexico, se'ver and lead. Shatt and tunnel, 300 tons. A Decito Trupillo, supt.
- San Julian Mine Chihinahua Ry. Jamenez 434 + 230 males i.
- Nuevo Leon Rosario Maning Co., Bullas, Tex., J. S. A., Bankets' & Merchants' National Bank. Gen. Geo. F. Altord, prest, Cod. Whi. J. Keller, seey., Juan Webet, thess., Prof. H. Ph. Llichardt, mgr. and supt. Cap. stk. Sznotomo. Rosario, seber and lead. Shatt and slope retractory developing.
- San Pablo Ry, and P. O. Bisbee, Ariz., 20 (105 miles).
- Teufa Duras Munig & Milling Co., Cherokee, Iowa, I., S. A., John Clarkson, prest, A. C. Hobart, seey, and Irraes, G. P. Perley, mgt. Cap. 8th, 820,000. Teufa buras, gold and selver. Tunnel, tree, steam, mill developing.
- (P. O. Parral Ry. Juni encz 434. (60 miles
- San Jais Mining & Reduction (co. 8), Louis, Mo., Room 23 Liringt Bidg. Gains Paddock, prest., F. A. Banster, seey. M. A. Demoss, Polas, J. A. Laxton, m.r. and supt. Gap. sile, sajoucou. San Table and oldiers, gold, stiver and feat. Juniels and shafts Shore lons, retraction, crusher. Santa Barbara Chilusahna Brazon v Cumungham Cap (\$Cook). Et cabrestante, selver and lead. Touned, 1900 tons, retractory, steam, mill. J. J. Brazon, supt.
  - Mexican Santa Barbara Muning Co., San Francisco del Oro, gold and s. ver., Shatt, 4 000 tons, retractory,
- Sombrerete
- Sierra Mojada (Couloula Uousolidated Kansas City Sine Ging & Refunng Co., Kansas City Mo., U.S. V., 7.14 vehange Bild. A. R. Weyer, prest and fixas. R. O. I Ven Gr, seey., H. Hilbert, in 21. Cup Sik S. Sangoo. San Jose and San Sakvador, silver and lead. Shaft, some time, to tractory, structural minace. T. I Seher, single
- Zacateras Ry, Fresnillo 131 (2016).
- San Martin Mining Co., New York Cits, P. Wallst, J. J. L. Catnagham, prest., Henry Bradstreet, seev. and treas. Cip. sik, \$1,50,000. Therev mines, gold and silver. Shatts and tinneds, betractory. Mexico Hidalgo Smelling Co., Milwankee, Wis., U. S. A., 108 Milwankee st., John I., Burton pr. st. and treas., Stobburd H. Martin, seev. Class R. Lathrop, nagr. Cap. sk. 85500,000. La Csuz, Ocampo and Cstro Partida (Silver, Tolmel retractory water, smeller), 5000 forms.
- Sultepee Ry, Tobies 436, Victoria
  - Tamanthas La Fortuna Maning Co., Oallas, Jeyas, L. S. A., Pankers & Merchants' National Bank. Geo. I' Altord, priest, Min J. Keller, seev. Juni Weber, for s.; H. Ph. I lithardi, m.r. anics spit. Cap Sek Syddom La Fortuna, Smith. Custo and bon Johns. Aviv. and Joad. Smitt. Line London, terractory.
- Ry 436. Zacatocas Ry. t.d.
  - Zacateras Compania Anomina de Putsima de Napoles y Anexas Lederico I., s. y Diaz, prest. Le Mariano Sanchez, sevy. Lenjamin trouve, tordon, beas "Cap Sik Strong". Estre"a, l'uris ma Santa Mariana. Bodega, Fortima and Tesero, silver "Shates and trancles, Sociotos Sind for "hotse". Ambresse Varias.
- traf Pinterma de los Compadros, Galadado en Zaentocas (Chotas Garvan, presi Tranassor), amacho, se va Edmundo von Galeron, trass Capastka Saeren, Pantena a de los Compagnos sa versandos de 20 tons, Edmundo von Gaberen, treas - Cap stle tunnels, horse, Genato Palacios, supt.
  - Negociación Majera de Sauceda, Abente Vidar, presi absus Salmeton, secy. Maximo P. Lanney, frenx, and mgr. San Acado and Anexas, silver. Shaffs and familes, 2000 fors. https://doi.org/10.1006/j.jch.2000.000.000 freas, and mgr. M. Mohna, supt.
- (No town given) Soliona P. O. and Ry. Risbre, U. S. A., 20.
  - Sumora Arhenzu ha Gusodulated Land and Managa on San Francisco, Gala, 43 Galabania St. Cesar Berthemora press A Tracent Balli seev. A fusion influentum Balais, San Francisco, old frees, Julius Koeden, inter-top, 848, 82,000,000 Advinzacia, San Patrico and San Felippe, gold and silver. Shatt and funnel, free Sannel L. Gutts, Supt
- (No fewir given) Sonora P. O. and Ry. Nogales, Arta, U.S. V. 26, 685
- Sonora Development Co., Ltd., New Orleans, La., U.S., A., Morras Bidg., Chas. Nucl. prest., F., inger, ssey, and from s. H. B. Carvoll, high., Cap. 8th, 850,000. Plata Re na., 8thy). Shaft at tree. A. Hower start.

#### HROX

LOCATION OF MINE. RAIDWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL LOCATION OF PRINCIPAL OTRICE, NAMES OF OFFICERS, CALITAE STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTFURIN TORS OF 2 DOTTO NOS. KIND OF LOWER USED, BLAST FLANACES, I TO , AND NAME OF MINE SUPERINTENDENT

Town STATE.

Durango RY 326 Durango Durango Stock Cron Co., Dos Meinis, Jova, Lown Loan and Trust 1532. d is calaman, prest (core Crans, v. prest, Geo W. Eaker, sees); V. Holland, treas, J. s. Meyanghan, gen mgt. Cup St. 8500000, Sertra Metroda, Shatt and tunnel, goodons, stema, furnace

#### LEAD AND ZINC

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF ORE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, SMELTERS, ETC., AND NAME OF MINE SUPERINTENDENT.

Torrest STATE

Guanacevi Durango Canuto Bolivar, \$500,000, La Miscria, lead and conder. Shafts. In litigation. Ry.Jamenez434 (180m.).

#### QUICKSILVER

LOCATION OF MINE. RAILWAYS, WATER ROUTES AND SHIPPING POINT. ANT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF MINE, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, AND NAME OF MINE SUPERINTENDENT.

Gnadaleazar San Luis Potosi Ry, Villar 434. Guadaleazar Quicksilver Mining Co., Ltd., London, E. C., Eng., 7 Poultney st. John Merrylees, prest.; Percy W. Furber, seey, and treas, Robert Mackenzie, mgr., and supt. Cap. 8tk. \$2,000,000. La Trinidad y Macvas. Shaft, tunnel and slope, 1,200 tons; hand; furnace.

#### SALT

LOCATION OF MINE OR WELL, RAILWAYS, WATER ROUTES AND SHIPPING POINT

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, NAME OF MINE, KIND OF PRODUCT, KIND OF MINE OR WELL, ANNUAL OUTPUT IN TONS OF 2,000 POUNDS, KIND OF POWER USED, ETC., AND NAME OF MINE SUPERINTENDENT.

Carmen Island, Lower Cal., Carmen Island, Salt Co., Chicago, Ill., 608, Phenix, Bidg., Chas., Miller, prest.; Chas. E. Schauffler, seey., (P. O.Guaymas, Mex.) — and mgr., Contrad Embyeck, mgr., Cap. stock, \$1,600,000. Carmen, table and rock salt. Open pit. 50-(P. O. Guaymas, Mex.) Ry, 552 and 685. and mgr., Conrad Eunbeck, mgr. C 000 tous. Vincente R. Mexiss, supt.

#### STONE, MARBLE, GRANITE AND ONYX

LOCATION OF MINE OR QUARRY,
RAILWAYS, WATER ROUTES
AND SHIPPING POINT.

STATE

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE, NAMES OF OFFICERS, CAPITAL STOCK, Name of Mine or Quarry, Kind of Stone, Kind of Mine or Quarry, Annual Output in Tons of 2.000 Pounds, Kind of Power Used, Stone or Marble Mills, Limerilus and CAPACITY, ETC., AND NAME OF MINE SUPERINTENDENT.

Chanlta. Ry. 325.

Town

Morelos American Rose Garnet Co., New York City, 733 Broadway. Edwin C. Atkinson, prest.; Wm. Niven, v.-prest, and mgr., Frederick A. Scaman, seey., George A. English, treas. Cap. 8tk \$250,000, Mina-de Gramate de Rosa, rose garnet. Open ph. hade, min.

Torreon

reon , Coalmilla Mexico Onyx Quarry Co., New York City, 44 Wall St. Henry McCoy, prest,; W. H. Reynolds, seey, and Ry. 434 and 435. Henry McCoy, prest,; W. H. Reynolds, seey, and treas., David J. Kelley, mgr. Cap. 8tk, 8500,000. Kelley, onyx. Shatt; horse and hand. W. H. Kelley,

## SUPPLEMENTARY LIST

# MINING COMPANIES AND OPERATORS

## REPUBLIC OF MEXICO

WHOM WE HAVE REASON TO BELIEVE ARE AT POINTS GIVEN, BUT WHO HAVE FAILED TO FURNISH DESIRED DETAILED INFORMATION FOR REGULAR LISTS

## MEXICO

#### COLD AND SILVER

POSTOLETCE NAME Palmatejo Muning Co PrincesaGold MiningCo. Alamos Princesación Annigeo. Mexican Coppet Co. Ario Miliord Gold Mining Co. Arispe Purissima Mining & Ex-ploration Co. Barranca

NAME POSTORI DE Francisco M. Coghlan. Catoree

Francisco M. Cochlan, Catoree Mexican Ore Co.
Don Enrique Muning Co. Chamber Candelaria Muning Co. Durango Recompense & alifornia Mine Co. Los Machas Muning Co. El Oro Machs Muning Co. El Oro Machs Muning Co. Los Machos Via Cerro Cordo.
Benoles Muning Co. Mapmat

SAME POSTOFFD F Ca Minera de Sante Fe, Matehnala Car Minera de Savie . . ... Pachuca Silver Mining Pachuca Presena Mining Co Parral San Felipe San Luis Potosi Edgar G. Tuttle, esq freque Lopez, El Boico Copper Co. Torreon Silver-Coppet Mining Co. Santa Rosalie Torreon

## BLAST FURNACES

#### ALABAMA

- Anniston, J. alhoun
   Ry. 240, 408, 622.
   Bl. apreap 8. group of Woodstock Nos. Lind 4, charged and code blast, g stacks, coke 7506 teet, charcol and foundry peg. Branches, coke "Anniston," chargon twood stock," selling agents, Rogers, Brown & Co. Cheminati, Olno, C. L. Person & Co., Boston, Mass.
- Resement Jefferson De Bardeleben (oaf & Hou Co., H. F. D. Bardeleben, prest.). David Roberts, v. prest., Andrew M., Adger, Ry, 408, 612, 351.

  Seey and treas. J. W. Johns, supt. Cap. 8th, Stromann De Bardeleben, Intellight, a Stacks 1775 feel. I Stack 1755 (red., 184ack 1755) teel. Stack 1755 (red., 184ack 1755) teel. Stacks 1755 (red.). The Bardeleben Selling agents. Matthew Addy & Co., Communit. Observable Baggers, Brown & Co., New York City.
- Brunigham Jofferson
  By 183,230,551,498,422

  642,622.

  "Williamson Fon Co. C. P. Williamson, prest. H. G. Wolfamson, v. prest. J. B. Simpson, seev, and treas. Fill up cap. (Socious Canada farmace, code blast, 1 Stack 65x14 feet, 26,000 fons, p.g., Brand CVA, underfold: Sealing againts, R. & 2 et S. Brown X. C. Chemmati, Oho.

  Williamson Fon Co. C. P. Williamson, prest. H. G. Wolfamson, v. prest. J. B. Simpson, seev, and treas. Fill up cap. (Socious Williamson, code blast, 1 Stack obstituted (Socious Cost, 10 million). Selling agents Chamber Chem. Hartway & Bard, Columbus, Cho. Hackmann, consent Co., Founsylle Ky.
- Galsden , Etowah Galsden Iron Co, A. J. Crawford, prest. J. W. Stewart, soy, treas and mgr. Cap. stk. 817,000, Ry. 120, 240, 408,747. Galsden, rhateoal bast, 1 stack 120,0 teet, 14,000 tons, p.g. from. Brainds "Stewart" and "Galsden" are consistent, properties of the present of the constant of the con
- | Trouadon | Talladega | Chiton Hon Co | L.G. Bush, prest | Paul Roberts, secv. C. L. Pierson, treas. Cap. sik. 8,00,000 | Chiton | Ry. 40s | Pounace, I stack, eart which per group, Brand (24 fton | self-ing agents, Matthew Addy & Co | St. Louis, Mo., and Cineminat, Ohio C. L. Pierson & Co. Boston | Mass. |
  | Jeniter | Jalladega | Jeniter Hon Co | John W. Niddo | prest | W. L. Lidos | sey | and treas. | V. L. Noble | smit. Pilamogne.
- deinter Lalladega deinter from Co. John W. Noble, prest. W. D. Liddes, seev. and freas. A. F. Noble, supt. Pd superap.

  Section John C. Langdon C. Cherokee, Langdon C. Cherokee, M. Langdon C. Cherok
- Langdon Cherokee Malania, Oca R. R. Co., P. D. Langdon, piest. R. P. Seleve, sees. Cap. 8th, 8terogon Langdon, 18 Jack. Ry. 483.

  Ry. 483.

  Round Mountain Cherokee The Hoot P.2 Fron Co. Gardsden, Val. Reemed Mountain, Charges; and Computer Characteristics of the Ry. 290.

  Ry. 490.

  Ry.
- hy (200) begand "Gound Monthan Saling agents, Roger's Trown & Co. Uncount (100) belieffed.

  Ry 61, 408, 450.

  Ry 61, 408, 450.

  Lady Insterv Coal From X. By Co. W. M. Smeet, prest. Martin Inserv, v. prest. Those D. Kindelath, seek and theas. Walter Monty, gen. may. J. V. Short, sup? Tell operage s, now a Lady Insterv and Hatter Friedry each, foot theast, 2 stacks Text Incl., sections for the period of the Saling agents, Matthew Addy X. Co., the mand, Office, and Sc. For S. Mo.

  Selling agents, Matthew Addy X. Co., the mand, Office, and Sc. For S. Mo.
- Shelly Sh
- Teeninsch Chetokee Teeninsch from Co. P. N. Moorr, prest. J. W. Orannick v. prest. P. R. Warner, seey. S. J. Learing, Rv. 20. gen mgt. Pd up cap. 890,000. Leeninsch, chatecoal blast. Ustackowlo feet, 15,000 lons, p.g. Brand. "Teeninsch". Selling agent, P. B. Warner, one main, thou
- Trussyille | Jofferson Trussyille Furnace & Mining Co., R. D. Smith, prest, and m. r., W. L. Smith, seev, and treas. Trussyille, RV 617 | RV 617 |
- Woodward Jefferson Woodward Iron to al II Woodward prest 8 Mathews seey. Pe upcap \$1,000,000. Woodward color IRV 108 - blast, 2 stacks each 75x17 (ee), 75,000 (ors. p.g., Rrand - Woodw. ed).

#### CONNECTICUT

- Camaan Litchield Bartonii, Rachardson Co., Line Rock, Com., M. R. R. charcson, prest. C. W. Bartonii, v. prest., S. P. Tushii, Socy. P. S. Burt ill, fr. as., Pd. sp. cap., Sporoce. Carriate I. thace, charcoal blast., est. cks. cach. (szyctoc), Gardo Jones, p. u. Britol., Sasserty.
- Kent : Litchfield Kent Iron Co. Donard J. Warner, prest Coro R. Buff (see y) John Hopson, treas, and and supt. Cap.
  P. O. Kent Furnase (Sent, hot blast, I show 1280 red.) [Jonetons e around per four Brands "Salisbury and Communication of them Iron.]

#### GEORGIA

tedutown By 254, 290 Folk Cherokee Bron tor Who to Browning prest of R Bar et solve indigen ingto della blood engage Segment Cherokee Chargeoff Plast, 4 Strict, november 1, Figure Found of the Folk of Cherokee Segment against, Hall Ribos & Co. Domiss Co. K.

#### HALINOIS

- Cheago Cook Cheago Lurinace Co. Rookery Bldg. J. W. Hower passt. Irvin, J. Hart [seev], ite is and negr. Je 13.

  RV 42, 384, 785, 26, 435.

  V. Coulin, supt. Capestk 850,000. Callumet, color basis, I stack if [viso poet [viso notals to accounted]]. Ressement per non. Brainfort atomet.
  - Himors Sheel Co. Rookery Bids. Adams and La Saile sts. Javy C Morse, prest. W. R. 84 (no. p. 55 H S Smith v-prests. H. A Gray, seev. J. C. 860 ling, freas. South North and Union, hot cast testacks, sugged tons, Bassemet pig, foundry and mill pig, and spiegel. Sciling agents, Fackands, Basele & Centil Boot Bookery Bidg.

#### ILLINOIS (CONTINUED)

LOCATION, MAILWAYS, WATER ROUTES AND SHIPPING POINT.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WORKS  NAME OF OFFICERS, PAID-OF CAPITAL STOCK, KIND OF FUENACE, NUMBER AND SIZE OF STACES, ANNUAL  CAPACITY IN TONS OF 2,000 POUNDS, NATURE OF OUTPUT, BRANDS, AND SELLING AGENTS.
TOWN AND COUNTY.	There is a second of the control of

- Joliet Will Illinois Steet Co., Clucago, Ill., Rookery Bldg., Adams and La Salle sts. Jay C. Morse, prest.; W. R. Stir-Ry, 26, 135, 142, 145, 245. Bing and H. S. Smith, v.-prests.; H. A. Gray, seey.; J. C. Stirling, trens. Johet, hot blast, a stacks, 180,000 tors. Tessenier, foundry and mill pig and spiegel. Selling agents, Pickands, Brown & Co., tenth thor Rookery Bldg., Chicago.

#### INDIANA

Discould and		The second secon	
Brazil Clay		or Collins, prest, and gen, mgr.: A. S.	
Rv. 146, 256, 563,	treas. Cap. stk. \$150,000.	Brazil, hot blast, 1 stack 13x60 feet, 12,6	oo tons, pig fron. Brand "Brazil."

 Judiana Vigo Iron Co., Terre Haute, Ind. A. J. Crawford, prest.; J. P. Crawford, seey., treas. and supt. Pd.-up By. 146, 170, 256, 553,749.
 Cap. \$50,000. Vigo, coal blast, 1 stack 629 vtl3 feet, 12,000 tons, pig. Brand "Vigo."

#### KENTUCKY

Ashland	. Boyd	Ashland Coal & Iron Ry, Co. Douglas Putnam, prest, and gen, mgr., John G. Peebles, vprest.; Robt.
Ry. 132,	499, 528, 537.	Peebles, seev., E. C. Means, supt. Ashland, coal and coke blast, 2 stacks each 62x46 feet, 40,000 tons,
		pig. Brand "Ashland."
**		Menus & Russell Iron Co., John Russell, prest., C. W. Means, seev., Ashland National Bank, treas.; W. B.
		Scaton, mgr. and supt. Pdup cap. \$280,000. Belletonte, charcoal blast, 1 stack 34x101 feet, 4,500
		tons, pig. Brand "Bellefonte Foundry Pig Iron." Selling agents, Bacon, Flato & Co., Cincinnati,
		Ohio, Adams, Watkins & Co., Louisville, Ky.

- Norton Iron Wurks, Chas, H. Greene, prest, Thos, M. Adams, v.-prest, Edw. E. Scaton, seey., John Russell, Irons., Geo, Carp., supt. Pd.-up cap. 8798,000. Norton, rock blast, I stake 66x16 feet, 40,000 tons, pug. Brand "Norton," Selling agent, P. B. Warner, Cheminatt, Olio, 1s Johnston Bland Charles, and Cheminatt, Chio. 1st Johnston Bland "Norton," Selling agent, P. B. Warner, Cheminatt, Olio, 1s Johnston Bland.
- Grand Rivers "Livingston" Grand Rivers Co., Poston, Mass., 64 Federal St. A. Blood, prest.; Thos. W. Lawson, v.-prest, and mgr.: Fred Joy, seey., J. M. Segrile, supt. Pd-up eap. Signation, Grand Rivers, charcoal blast, 2 stacks care footbast prest, along tons, pig. Brand Carona Rivers.
- Middleshoro
  Riy, 374, 408.

  [Bell] The Watts Steel & Iron Syndicate, Ltd. Edmund H. Watts, prest., Robt, Andrews, seey.; Edgar and
  Frank Watts, managing directors, Geo. L. Reis, mgr. Pd-up cap. 84,250,000. Watts, coke, hot blast,
  2 stucker, 573,77 feet, 80,000 tons, pp. 157and "watts."

#### MARYLAND

- Baltumore Baltumore Baltumore Stickney Iron Co., II S. Gay St., Geo. H. Shekney, prest., Wm. Harvey, seey., Chas. W. Klipper, mgr., 528, 557, 801. Sci., 577, 801. Bast furnace, 2 stacks 50x11 feet, 6,500 fous, chargod pig from Brand "Stickney Too,, 118, Gay St., Jathmore, Md.
- Catoetin Furnace Frederick Frederick | Fre
- Murkirk, Prince George's Chas, E. Collin, Murkirk, hot blast, I stack 3axs1, teet, 7,000 fors, car wheel and ordnance charcoal pig By, 42. https://doi.org/10.1006/j.chm/doi.

#### MICHIGAN

Detroit Wayne	
Ry, 96, 221, 222, 262, 266,	Wetmore, seey, and mgr.; Wm. C. McMillan, treas. Cap. stk. \$250,000. Detroit hot blast, charcoal, I
383, 440, 784	stack 11x50 (cet, 18,000 (ons, Lake Superior charcoal pig iron. Brand "D. I. P." Selling agents, W.
	F. Jarvis & Co., Newberry Bldg., Detroit.
9	Gaylord Iron Co., foot of Iron st. Chas. A. Kent, prest.; Win. M. Gaylord, vprest, and treas.; Frank B.
	Gaylord, seey, and supt. Cap. stk. 8200,000. Gaylord, closed top blast furnace, I stack 56x90; feet, 13,0000 tons, charcoal pig from Brand "G. I. Co. Det."
	The December bear to test at Beller you at Them II Futon pearl. Polit Inter a prost. Solan Purt.

- The Pennisular Iron Co., foot of Belleview av. Theo, II Enton, prest., Robt, Lutes, v.-prest., Solon Burt, seey., Ireas, and mar. Pd-up cap. \$200,000. Pennisular, charcoal blast, 1 stack 428%; feet, 12,000 tons, pg. Brand "Pennisular."
- Umon Iron Co.: Austin Burt, prest., Win. Gerhauser, seey., treas, and mgr., Pd.-up cap. 820,000. Umon, charcoal blast, I stack foxlo feet, 45,000 tons, pig. Brand "U. I. Co., Det."
- Elk Rapids Autum Elk Rapids Iron Co. N. K. Fairbank, prest. N. H. Noble, v-prest, and mgr.: E. S. Noble, seey, and trens Bl.-inj. cap. Santona. Elk Rapids, charteon blast, 1 stack 60x10°, feet, 25,000 tons, pg. Brand "Elk Rapids, Charteon Blast, Co. Cleveland, Object.
- Frintport By, 152 Wuskegon Spring Lake Iron Co. J. M. Rean, prest, A. F. Itsley, v. prest, J. C. Ford, seey, and mgr.; S. Marshaff, freas. Fd. up cap, \$200,000. Spring Lake, charcoal blast, 1 stack 56x11 feet, 30,000 tons, pig. Brand "Spring Lake."
- Harvey , Marquette Northern Finnace Co., Marquette, Mich. J. M. Longgerr, prest; H. M. Kantman, vsprest; J. G. Reynolds, seey., J. M. Wilkinson, treas, T. B. Spear, mar. Northern, charcoal blast, 1 stack 50x10+ (cet. 20x0) tons, car wheel pg. Brand "Northern." Selling agents, M. A. Hanna & Co., Develand, Olio.
- Ishpenning Warquette Beer Lake Company, W. H. Rood, prest, treas, and mgr ; J. N. 83, Clair, seey. Deer Lake, charcoal blast, I stack 8345, I stack 8345 (1992), prest, pr

#### MICHIGAN-(CONTINUED)

LOCATION, RAILWAYS, WATER ROUTES AND SHIPPING POINT. FOWN AND COUNTY	NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WORKS, NAMES OF OFFICERS, PAID-UP CAPITAL STOCK, KIND OF FURNACE, NUMBER AND SIZE OF STACKS, ANNUAL CAPACITY IN TONS OF 2, 00 POUNDS, NATURE OF OUTPUT, PRANDS, AND SELLING AGENTS.
Town and County	

- Ishpenning. Marquette Chas, II. Schaffer, W. J. Elkon, supt. Cap. 80,000. Excelsior, chargoal blast, I stack flow feet, 10,000 tons, pg. Brand "Excelsior Purmace," Sedling agents, Wm. T. Jarvis, Detroit, Mich., Chas, Hunrod & Co., Chiego, III.
- Marquette Ry 229.

  Marquette Carp River l'urnace Co., Detroit, Mich. Hiram A. Bart, prest., Theo, II, Enton, v-prest., Solon Burt, seey., treas, and may pig. Brand "carp, \$150,000, Carp River, charcoal blast, I slinck Reys to toet, 12,000 tous, Solling agent, Solon Burt, Detroit, Mich.
- Newberry Luce Newberry Furnace Co. Hugh McMillan, prest. W. C. McMillan, v. prest. Claude W. Case, seey and mgr.; W. H. Anderson, treas. 151 up cap s 15256. Newberry, charcon blast, 1 stack 329 feet, 25000 four, pg. Brand Cythern. Schling agents, Win J. Jarvis & co., 16 trull, Male

#### MINNESOTA

Dubith St. Lons. West. Dubith Furnace Co., Chargo, Rt., Rookery Bldg., Charles Hunrod, prest., John Cerar, v-prest., Ry, 143, 229, 239, 234, R. Floyd Chuch, Seey., Katk Hunrod, treas., A. S. Bertolet, mgr. and supt. Ed. up. cap. 850,000, 529,721.

West Dubith, coke bast, I stack 75317 feet., Green tons, p.g., Franch "West, Chardy."

#### MISSOURI

- Madland Ry, 716. Crawford Madland Plast Putrue to 8t Louis, Mo 42 Olavest, Win H Lee, prest F A Hitchcock, a prest, F I Putrue, s. ed., b B B began, supt. Po 4pc up 8 Occur Madland, cha con Fiblist, i shick 55x16 rect, (Section, page 1 Brain) (Madland).
- St. Louis ... St. Louis Jupiter Fintinger Co., 2c Lachede Bildy O. F. Gartison, prest. O. W. Meysenburg, v. prest. W. O. Gartison, prest. O. W. Meysenburg, prest. W. O. Gartison, prest. W. Meysenburg, prest. W. O. Gartison, prest. W. Meysenburg, pr
- Sign By 720. Bent Sign Lutinace co. Hugh V (Cayberd, pest and trees. The fron 1. Probegy press, and seey. I. 1. Foote, supt. Polarpec, p. street: Sign, chatevid hole cast. I stock WARI text. Recording, p. Brand visign.

#### NEW JERSEY

- Hackettstown Warren Warren Tron Co. John P. Jones, pest John R. Bennett in a Warren and tron to and concellast, t Ry 200. stock for the Communication of the Warren and tron to and concellast, the
- Oxford Ry 29. Watter Oxford Iron & Natter ox New York City, 52 Wallst The slow (S. 128) pt. 82. John T. Blaze v. prest 1.1 mind T. Likens, seey and mark A. P. Cole Teas S. Perces and S. Cole Oxford Pour co., and by the last Associated College Cole, p. 18. January 19. January 19
- Philipsburg Andever Lear Co., Philadelphia, Pargules Theology Learning Technology, and Technology Andever Learning Technology, and Computer Section 1997, and Computer Section 1997,
- Port Gram (Nortis) Joseph Whatton, Philadelphia, Pa. I dward Kehy, mg. (Whatton, hot least, Usraca 1587) ps.), topology and lorge p.g. atom. Brind "Whatton (Schlag agents, H. W. Mahis & Co., 5c Pinest, No. Vol. Co.).
- Stanliope Ry, 209

  Sussey Musconeteon, Prot Works, Phylodelpha, Pa., 7.8, The describin R. Len, prest. H. H. Wason, srey, and tests. J. H. Parice, and "Musconeteon, chartogle, stacks sover and rows total varieties, pg. Brand. "M. L. W.", Sellin, agents, Cocker Ross, N. e. Volk, C. W. L. W. and M. P. Jamen, Phylodelphia, Pa., 2888, The det.

#### NEW YORK

- Charlotte Montos Charlotte Iton Works, A. G. Aat s. pr. 8t., d. T. Roberts A. S. Charlotte, seev. and ft. s... Pd. Ry. 501, 638.

  Ry. 501, 638.
- Chatham Columbia Chatham Furnaes Co. C. S. Whitney, prest, it is another? H. P. Whitney viprest, L. M.) we see and supl. PL up cap. Sequent Chatham, chate on the stack of vitre, encotons, p. E. and "Chatham, chate on the stack of vitre, encotons p. E. and "Chatham, chate on the stack of vitre, encotons p. E. and "Chatham, chate on the stack of vitre, encotons p. E. and "Chatham, chate of vitre, encotons p. E. and "Chatham, chatham, chatham,
- Crewn Point .... I Ssey Crewn Point Tronto Chester Gris yold press. H. W. Crusteine, serve medicals at A. Lamare, and restriction (Ry, 196, 216).

  Ed. up cap. 84,500,000. Crown Point, and the because cone ideal, 2 stacks Foxy's and creeker a grown form. Sees time press. A. V. V. John free N. John free N. John free N. V. John free N. John
- Limita .... Cheming Efficial Fronk Steel Rolling Mill Co., 722 Haten St. James B. Bathrone, perst. adsembless J. Cower, Seev. and Great Cap. 848 860 000 Elimita helbast. St. eks. legected. Assembles person. By more France.
- | Hudson | Columbia | Hudson Iron Co. | John F. Gillette, prest | L. H. Stott v. prest | S. R. Enty | S. G. and J. as. | S. G. M. Aribur, in zr. David Entry sint. | Ed. p. capacity for Hudson | G. G. Hudson G. G. as. | S. G. M. Aribur, in zr. David Entry sint. | Ed. p. capacity for the present of the pres
- Kitkland Oneida Franklin Iron Manutacturing to Tranklin Iron Works NA J. T. H. is the prest of W.A. Hookin Bry, 200 (Pranklin Iron and Supt. Physics of Section 1997). Tranklin Iron and Section 1997.

#### NEW YORK (CONTINUED)

Location, Railways, Water Routes and Shipping Point.	NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WORKS,  MANUS OF OFFICERS, PAID-UP CAPITAL STOCK, KIND OF FURNACE, NUMBER AND SIZE OF STACKS, ANNUAL  CAPACITY IN TORS OF 2,000 POUNDS, NATURE OF OUTPUT, BRANDS, AND SELLING AGENTS.
FOWN AND COUNTY	

- Port Henry I. Essex Port Henry Furnace Co. G. R. Sherman, prest.; W. C. Witherbee, v.-prest.; H. B. Willard, seey, and treas.; X. M. Langton, supt. Pd.-up cap. \$100,000. Port Henry, charcoal hot blast, 2 stacks each 66516 feet, 40,000 fors, Bessener pg. Brand "Port Henry." Selling agents, Witherbee, Sherman & Co., New York City, 46 Wall St.
- Sarama Chinon Chateameay Ore & Iron Co. Plattsburg, N. Y. Smith M. Weed, prest, F. J. Dominick, v.-prest, A. L. (P.O.Standish) Ry.124.
  [F.O.Standish) Ry.124.
  Sarama Chinon, seey, and marr, H. M. Obusbed, treus; M. L. Frency, last, lags, cap. 84, 1550,000. Sands, blast, 1stack 60812 feet, 12,000 fons. Brand "Chateangay," Selling agent, F. J. Dominick, New York City, 21 Corthadats.

#### NORTH CAROLINA

Greensboro Ry, 98, 622. Guillord North Carolina Steel & Iron Co., J. A. Odell, prest.; D. W. C. Benbow, v-prest.; C. D. Benbow, seey, and treas; J. D. Kase, ngr, and supt. Pl-sup cap. \$267,290. Carolina, charcoal blast, 1 stack 70x16 feet, 35,500 (one, pg., Brain) Carolina.

#### OHIO

- Bloom Switch.

  Ry. 43.

  Scioto The Clare Iron Co., Portsmonth, Ohio. J. D. Clare, prest, and treas.; J. H. Simmonds, v.-prest.; E. H. Clare, seey, and supt. Pd.-up cap. \$100,000. Bloom, charcoal, 1 stack 34x10 feet, 3,000 fons, pig. Brand "Bloom." Selling agent, J. D. Clare, Portsmonth, Ohio.
- Campbell . . . . Lawrence The Campbell Iron Co. . John H. Moniton, prest, and seey: . John W. Campbell, v.-prest, and mgr.: J. H. Salva, Salva, Mr. Vernon, charcoal blast, 1 stack 35/12 feet, 3,600 tons, pg. Brand C Mr. Vernon, "Selling agents, Rason, Falto's C. C., Chemnan, Ohn.
- Canal Dover Tuscarawas The Penn Iron & Coal Co. J. P. Burton, prest.; H. C. Pavis, v-prest.; H. C. Ream, seey.; S. W. Croxton, Ry, 171, 173, 475.

  The Penn Iron & Coal Co. J. P. Burton, prest.; H. C. Pavis, v-prest.; H. C. Ream, seey.; S. W. Croxton, treas, and mgr.; Class. Phfer, supt. Pd.-up cap. \$200,000. Dover, blast.) Stack 66x16 feet, 30,000 tons, pg. Brand "Tuscarawas,"
- Hanging Rock Lawrence | Means, Kyle & Co. E. B. Willard, prest, and ngr., James Bull, seey, and treas. Pd.-up cap. \$00,000. Humilton and Pine Grove, coke and charcoal, 2 stacks 65x16 and 25x169 teel, 25,000 tons coke pag and 5,500 tons charcoal pg. Brands "Hamilton" and Pine Grove. Selling agents, Rogers, Brown & Co., Chechmatt, Olino, James Collord, Pittsburg, Pr.
- Jackson Jackson Glube Iron Co. Elrendones, prest, : Elyas Grandall, v-prest, frens, and supt.; John E. Jones, seey. L. T.
  Marfin, mar. Pd-up cap, 322,000. Futton, hot blast, 1 stack, 244 feet, 7300 tons. Sorbit jng. Brand
  "Glube." Sching agents, W. R. Thomas, New York City, Class Hunrol & Co., Chicago, H.
- Star Furnace Co., B. Kalm, prest.; C. O. Brown, seey.; L. V. Brown, mgr. Star, blast, 1 stack 14x34 feet.
   Jogoo fous, pig from Brand "star."
   J. D. King, prest. S. F. Welker, seey.; C. N. Schmick, trens. Pd. angem.
- Lectoma Columbiana Cherry Valley from Works. J. H. King, prest., S. E. Welker, seey.; C. N. Schmick, treas. Pd.-up.cap \$250,000. Cherry Valley, blast, 1 slack 75x16 feet, 50,000 four, toundry pig. Brands "Cherry Valley" and "Lectomar."
  - Salem Iron Co., Pittsburg, Pa., cor. Wood 8t, and Sixth av. John McKeefrey, prest, and gen, mgr.; W. D. McKeefrey, v.-prest, and treas. N. J. McKeefrey, seey., P. W. Murphy, spt. Cap. 8tk, \$34,000. Grafton, hot blast, 1 Srek 13A3 and 1 Stack 1435 (rectan,000 fors, coke pig fron, Besenier, foundry and forge. Brands "Senicea," "Allegheny" and "Salem," Selling agents, McKeefrey & Co., Lectoma, Ohio, and IritSburg, Pa.
- Lowellyille Mathoning Ohio Fron & Steel Co. Thos. H. Wells, prest.; John C. Wick, v.-prest., R. Bentley, seey, and mgr., F. H. Wick, freas., W. S. Met'ombs, supt. (Fd.-up cap., 8420,000. The Mary, blast, I stack 75x16 feet, 70,000 tons, Scotch pg., Brand "The Mary Ohio Scotch." Selling agents, Pickands, Mather & Co., Cleveland, Ohio, Pickands, Brown & Co., Cheago, Ill.; N. S. Barflett & Co., Boston, Mass.

- Stenbenville defferson detterson from Works, 8. Third st. 8. K. Wallace, prest., W. H. McClinton, v.-prest., Geo. P. Harden, seey, and treas, John Kennedy, mgr, and supt. Cip. stock 8800,000. Jefferson, hot blast, 1 stack 1780 tect. Sessence pig from. Brain 9-1-eleptron."
- "Riverside Fron Works, Wheeling, W. Va., 1304 Main St., J. N. Vance, prest., John D. Culbertson, seey, and trens., F. J. Hearine, mgr., F. Spearman, Supt. Cap. Stk. \$1,500,000. Steubenville, hot blast, I stack 754 Bete. I. 70,000 tins, pg. uron. Brand "Riverside."
- Wellston Jackson Wellston Furnace Co., Chicago, Ill., 70 Dearborn St. E. A. Hyde, prest., Robt, Vierling Asprest.; J. F. Forsyth, seey, and treas.; J. C. Chitts, mgr. Ph.aip cap, 800,000. Wellston, coke, 2 stacks each 52 May red, 28,000 fors, foundry pig. Brand "Wellston." Sching agents, Forsyth, Hyde & Co., Chicago, Ill., 68 and 70 Dearborn St.

#### OIIIO (CONTINUED)

LOCATION, RAILWAYS, WATER ROUTES AND SHIPPING POINT.		NAME OF COMEANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WORKS, NAMES OF OFFICERS, PAID-UP CAPITAL STOCK, KIND OF FURNACE, NUMBER AND SEZE OF STACKS, ANNUAL CAPACITY IN TONS OF 20th POUNDS, NATURE OF OUTPUT, BRANDS, AND SELLING AGENTS.
TOWN AND CO	OUNTS	

The Voungstown Steel Co., & Central Square. Tod Ford, prest, andgen, mgr., Paul Jones, v.-prest; John Stambaugh, seev. and treas; Edw. L. Ford, supt. Pd.-up eap, \$200,000. The Tod, cole, 1. Stack 66; Mt feel, 50,000 tons, Bessener, foundry and mill. Brand "Youngstown Sortch," Selling agents, H. G. Diavo, Pittsburg, Pa., J. L. Hogan & Co., Philadelphia, Pa., Tod, Stambaugh & Co., Cleveland, Olno.

Zanesville, Muskongum Ry, £2, 164, 173, 182, 163
Ry, £2, 164, 173, 182, 163
E. C. Greene, supt. 4 (ap. 8th, 8590,000). Hot blast, 1 stack 16575 feet, 50,000 (pray log pay from pays).

#### OREGON

Oswego . . . Clackanias | Oregon Iron & Steel Co., Portland, Ore., 66 Third st. | Theo B. Wilcox, prest., Martin Winch, v., prest., L. Frank Watson, seey, and gen. supt., Ladd & Tilton, treas. | Cap. six | 850,000. | Hot blast charcoal, L. Lack 2021 Not teet, 15,000 tons, pg. from Brand "Oregon." | Selling agents, Falk & Sacger, 250 Mission st., San Francisco, Cal., Northwestern Supply Co., Tacoma and Seattle, Wash.

#### PENNSYLVANIA

Allentown Lehigh	Allentown Iron Co., Philadelphia, Pa., 256 8. Third st., Joseph 8. Harris, prest., C. F. Howelf, seev. and
Ry, 118, 393, 573, 578.	treas., E. T. Chzen, supt. Pdup cap. 850,000. Allentown, 2 stacks each ox47 feet, 70,000 tons, non- dry nor. Brand "Allentown", Selling agent F. Holl Philadelphia, Pa. 25, S. Therdat.

Bellefonde Ry, 86, 563.

Bloomsburg (Columbia The Bloomsburg Tron Co. 4, 8 Wintersteen, prest, A. J. Brown, seev, and treas (Josiah Raiston, mgr. Ry, 66, 299, 578) (4, 191 up cap, 8100,000) (Trondde, coke, 2 stacks (0.57 and 1488 teet, 14,000 form, pg. - Brand "Trondate,"

- Wm "Neal & Sons - Cap. 8150,000. Bloom, charcoal blast, 1 stack 56x14 feet, 56,000 fons, pig. Bloom,"

Rolling Springs Comberland Comberland Comberland Conditions of the Review Comberland Condition Conditions (Conditional Conditions) Conditions (Conditional Conditional Conditi

Carlisle

Cumberland, C. W. Ahl's Son, N. W. Ahl, mgr., Cap. 8100,000. Katherine, coke, 1 stack 50x1; tect, 14,000 tons, foundry pig., 13 and "Katherine,"

Ry, 199.
Catasanqua Lehigh The Came front or, Philadelphia, Pa., 224.8. Fourth 8t. H. W. Hazard, prest. James M. Hodge, seey, and treas, Leonard Leekith, sipt. Pd. up cap. 8t, 2000.9. Crame Fron Works, coal and coke blast, I stacks, two oxyle teet and two 7548 feet, houseof tons, pig. Brainly, "Cararle," "Castle" and "Mollican." Selling agents, Geo. 1, Tarrys & Co., Philadelphia, Pa., 3t, Walhout 8t.

Chambersburg Franklin Bonebrake/Burkhart & Co. Failing Spring, charcoal cold blast, I stack Joys - feet, 5,000 tons, pag. Braind Ry, 199, 801. "Tailing Spring,"

Danville , Montour Grove[Bros. Columbia, charcoal, 1 stack 50x14 feet. Brand "Columbia, Ry, 209, 56x, 57s.

" North Branch Steel Co., Philadelphia, Pa., Twenty hith st. and Washington av. Ldw. Samuel, prest., F. P., Howe, v., prest., Chas. M., Griffith, seey., Walter S. Massey, 1973. B. K. Polk, mgr., John Hogsendobler, supt. North Branch, hot blast, I stack 43x13 feet and I stack 64x16 feet. 20,000 fons, foundry, Bessenier and full pg. 1001.

Emporium Cameron Simiamahoning Iron & Coul Co. E. M. Parrott, prest., Win, H. Allen, seey. Hot blast coke furnace, pig iron \_ lidle at present

Elna Mlegheny Bahella Furnace Co. H. Kennedy, supt. Babella, coke, 3 stacks, two 75v20 one 75v16 teet, 180,000 tons Rv, 503, 502. pg. Brands "Falbella," "Hessenner" "Foundry and Mill from."

Everett By 347. Bedford Joseph E. Thropp, Philadelphia, Pa , 119/8 Fourth St., Room G. Chas Lorney, supt. Everett, hot blast 1 stack 18875 heet, 42,000 tons, foundry pig uron. Brand "Everett," Selling agents, dere me Keeley & Co., Philadelphia, 336 Walmutz

Harrisburg Dauphin Metorimek & Co., 223 Market st., Cap. 805,000. Paxfon, anthracite and coke blast, 2 stacks oox15 and Ry, 199, 528, 533, 578. 7544 feet, 56,000 fons, pig. Brand "Paxfon."

" Met ormick Estate, 223 Market st. Cap. 840,000. Swatara. Anthracate and coke blast, 1 stack [50x1] feet, 8,000 four, pig.

Lebanon J. Lebanon I & R. Meily. Lebanon Valley. Hol blast, I stack, 24,000 (ons. pig. Brand "Lebanon Valley." Ry, 189, 191, 578.

Maeuinger Lehigh Crane Iron Co., Pluladelphia, Ph., 224 S. Fourth St. H. W. Hazard, prest , Jas. M. Hodge seev and treas , Leonard Peckut, supt. (4p. 8tk, 84, 50000, Maeuinge, hot blast, 1 stack, Jasch no 1, 17,000 tons, foundly and Bassenberg pig from Sedling agents, Coo. T. Fainer, Co., 233 Walnut 84, Pluladelphia, Ph.

Mont Alto — "Franklin Mont Alto."

Mont Alto — "Franklin Mont Alto."

Mont Alto. — "Wont Alto."

Mont Alto."

Mont Alto."

New Castle J. Lawrence Crawford Iron & Steel Co., Win. Patterson, prest., W. F. Res, seey, and mgr., J. A. Crawford, treas. Pd. up. Ry 231, 763, 585, 591, 592. cap. 8150,000. Neshannock, blast, 1 stack 78x17 rect, 75,000 forts, Bessemer pag. Brand "Neshannock, 865.

Etna Iron Works, Ltd. Edwin N. Ohl, chairman, A. W. Thompson, seey, and treas. Cap. 8tk, 8.50,000 Etna, hot blast, 2 stacks 18x75 feet, 70,000 tons, pig iron. Brand "4 tna." LOCATION.

New Castle Lav (Continued)

RAILWAYS, WATER BOUTES

AND SHIPPING POINT.

COUNTY

#### PENNSYLVANIA (CONTINUED)

NAME OF COMPANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WORKS,

NAMES OF OFFICERS, PAID-UP CAPITAL STOCK, KIND OF FURNACE, NUMBER AND SIZE OF STACKS, ANNUAL

CAPACITY IN TONS OF 2,000 POUNDS, NATURE OF OUTPUT, BRANDS, AND SELLING AGENTS.

Lawrence Rancy & Berger Iron Co., Lo Furnace st. L. Rancy, prest., Geo. B. Berger, seey, and treas. Cap. stk., 250,000. Hol blast, 2 stacks fryst feet, 60,000 tons. Bessener pig iron. Brands "Norway," "Heda." "Crown," sedling asent, Henry A. Adams, 177 Brondway, New York Chris.

	Crown Talling Decree in the May 11. 15 min and 11. 15 min and 11.
Newport, Perry Rv. 563.	Jamiata Furgace & Foundry Co., Philadelphia, Pa., Beach and Marthorough sts. Affred Marshall, prest; P. Hiestand, supt.; W. P. Aoung, chemist. Marshall, Int blast, I stack foot34 feet, 2009 tons, foundry pug fron, Brand "Marshall," Selling agent, C. T. Holbrook, Beach and Marthorough sts., Philadelphia, Pa.
Parryvalle , tarbon Ry, 118, 393.	Carbon Iron & Steel Co., Ltd., Mauch Chrink, Ph. M. S. Kemmerer, chairman; H. H. Butler, seey, and treas; H. R. Hall, mgr, and supt. Carbon, coke blast, 3 stacks 52x13, 52x16 and 55x16 feet, 75,000 tons, pg., Brands "Viking," "Parry" and "Carbon."
Pittsburg : Allegheny Ry, 11, 42, 43, 175, 563, 583, 584, 585, 500, 591.	Moorhead-McCleane Co. Geo. S. Griscom, prest., M. K. Moorhead, v. prest.; Chas. R. Dallas, scey.; W. J. Moorhead, treas. Solio, hot blast, 1 stack sov.20 (red, 80,000 (ons. pig from Brand "Solio."
	Shoenberger, Speer & Co., Fifteenth and Etua sts. Shoenberger, coke, 2 stacks $75\times15^4_2$ and $75\times14^3_4$ feet, $113.400$ fors, Bessemer pig.
Port Kennedy Montgomery Ry, 563, 578.	Montgomery Iron Co. Abraham S. Patterson, prest; Joseph S. Patterson, seey., treas, and mgr. Pd-up- cap, 855000. Montgomery, charcoal blast, 4 stack 65433 / feet, 25000 fors, pg. Brands "Anon Bessenier" and "Montgomery," Selling agents, Pilling & Grane, Philadelphia, Ph. Bullitt Bdig.
Reading Berks Ry, 563, 578, 820.	Rending (10n) Co., 548 Washington 84. Geo. F. Baer, prest.; Thomas Varrington, seey.; F. C. Smink, freas, and gen, ingr.; Albert Broden, supt. Keystone and Rendang, charcond, 4 Stacks, two 55515, one 55815 and one 65445; (cd.) [unjust tonic, toundry and mill from. Brands "Rashong" and "Rending."
Riddlesburg Bedford Ry, 317.	Kemble Iron Co., Alex, Nimack, prest., c. H. Scott, seey, and treas.; Wm. Lander, mgr. Hot blast, 2 stacks 60x13 feet, 30,000 tens, plg iron. Brand "Kemble."
Rittenhouse Gap — Berks (P. O. Allentown) Ry, 110.	Hartzell Concentrating Co., Ltd., Philadelphia, Ph., Bullutt Bidg, W. K. Hartzell, chairman; F. I. Crane, seey., W. S. Pilling, trens. Pdup cap. \$40,000. Eal-Norffon Separator, 40,000 fons, high grade iron. Brand "Hartzell." Selling agents, Pilling & Crane, Philadelphia, Ph., Bullutt Bidg.
Rockfull Furnace Huntingdon Ry, 235.	Rockhill Iron & Coal Co., Philadelphia, Pa., 320 Walmit St. Win, A. Ingham, prest.; Edw. Roberts jr., v.prest.; J. E. Havershek, seey and treas., A. W. Sins, nigr., Charles Conner, supt. Pdup cap. 81,50000. No. 1 and 2, hot blast coke, 2 stacks 65x17 and 65x15 teet, 30,000 tons, forge and buildry pig. Brand "Rockhill."
8 ganton   Lackawanna Ry, 118, 209, 213, 505.	Lackawanna fron & Steel Co., New York City, 52 Wall St. E. F. Haffield, prest.; C. F. Malter, 2d vprest.; H. V. Vulter, seey, and asst freas., E. S. Mohaff, gen. mgr., A. H. Lee, supt. Lackawanna, hot blast, 18 stack 75x19 (peet, 18 slack 65x18), feet, 18 slack 75x17 (eet, 18 slack 75x18), feet, 125,000 (ors., pp. 170n). Brand "Lackawanna."
Sharpsville Mercer Ry, 251, 508, 668.	Perkins A Co., Ltd. S. Perkins, chairman and mgr., L. C. Hanna, seeg, and treas., George D. Devitt/Supt., Pd. ap. edg., Szamon, Marbel, chaircond, 2 stacks each 65x15 feet, 60,000 fons, pig. Brand "Mabel," Selling agents, M. A. Hanna & Co., et eviand, Olito.
South Bethlehem Northampton Ry, 118, 578	Bethichem Iron Co., Robt, P. Linderman, prest., Robt, H. Sayre, Asprest, and gen. mar., A. S. Schropp-sec., C. O. Brumer, treas., John Pittz, gen. supt., R. W. Darenport, asst, supt., Chik, \$4,00,000. Bethichem, hot blast, 3 stacks 70x16 (cct., 1 stack 5345), tect., 1 stack 50x10 (cct., 1 stack 53x15) (cct., 1 stack 50x10 (cct., 1 stack 53x15)).
Steelton Dauplun Ry, 563, 578.	Pennsylvania Steel Co., Philadelphia, Pa. Lather S. Bent, prest; F. W. Wood, mgr., E. C. Felton, supt.; Edw. E. Knapp, asst. supt., Nos. 1, 2, 3 and 4, speed and Bessemer, 1 stacks, two 7d teef, one 55, and one street, Janois 10ms. Brand "spaced & Bessemer Pig."
Suedefand Montgomery Ry, 578.	Richard Hecksecker & Sons, Philadelphia, Pa., 238 8 Third st. Suede, charcoal blast, 2 stacks 72x14 and sox15% (seet, 80,000 tons, null and toundry p.g. Brand "Suede,"
Temple Berks (P.O. Reading) Ry 563, 578.	Temple Iron Co., Reading, Pa. George F Baret, prest., Thos. Aurrangion, very., F. C. Smink, treas., Albert Broden, mgr. [Jemple, charcoal, 1 stack 55x1.0], (eet., 25,000 tons, pg. Brand "Temple,"

### TENNESSEE

(	Ry, 126, 240.		M. Brown, V.	prest., L. A. l	STOWN, S	ecy, and treas., 1	F.M.C	onnor, gen	mgr. Ho	blast, 1	(2,000 tons, p.2	
			15011.									
		31	Automotive Commencer	Lastronous	a Thomas	Maintenano Bilda	. 11 %	. Occupling	hore prost	Wm I	2. Publicance of	

Citica (Monte Citica Puriace) (a), thattanoga, Tenni, Montague Bldg. H. S. Chamberlain, prest., Win. E. Raht, sees.; Ry, 612. (D. E. Wells, Supt. Physical P

Rockwood Roc

#### TEXAS

New Barmingham Cheroker The New Barmingham Iton A Improvement Co. Richard L Coleman, prest, and gen, mgr. Samuel D. Mills, supt. Pd-injecqu, 83,500,000. Tassie Belle, charcoal blast, 184ack 60011 feet, 15,000 tons, car wheel and foundity pag. Brain "Tassie Belle"

#### VIRGINIA

LOCATION,
RAILWAYS, WATER ROUTES .
and shipping Point.

NAME OF COMPANY OR INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WORKS. NAMES OF OFFICERS, PAID-UP CAPITAL STOCK, KIND OF FURNACE, NUMBER AND SIZE OF STACKS, ANNUAL CAPACITY IN TONS OF 2,000 POUNDS, NATURE OF OUTPUT, BRANDS AND SELLING AGENTS

Town COUNTY

Wise Appalacham Steel & Iron Co. E. J. Bird (r., prest., L. J. Bird, v.-prest, and gen. mgr., M. I. Radenour, seey, and freas. Physics of physics of Appalacham, eake blast, g-stacks 75v16 teet, 60,000 tons, foundry pg., Brand "BSG," Selling agents, Bacon, Flato Co., Chemiant, Olio Big Stone Gap Ry. 408, 687.

Glen Wilton

Buena Vista (Rockbridge) | Buena Vista (Fron Co. C. M. Clark, prest., A. T. Barelay, v.-prest., G. F. Baker, seey and treas., F. B. Richards, mgr. Buena Vista, coke blast, I stack Fovio tect, (2000 tons, pg. Burnal "Buena Vista," selfma agacity, here Vibotta Co., New York, City, Ed. D. Section adolphia, Pa.

Rv. 132. Goshen

Botetourt D. S. Cook, Wrightsvalle, Pa. T. D. Kauffet, supt. Pd-up. cap. 8500,000. Princess, coke, hot blast, t stack 6002c/ feet, 65000 tons, pig. Brand "Princess," Selling agent, Wilton Cook, Wrightsville, Pa.

Ry, 132, 780

Rockbridge Virginia Iron & Railway Co. H. D. Turney, prest., Lee Chamberlain, v. prest., C. J. Johnston, seey, and treas, Win, J. Walhoney, supt. Rockbridge, hot blast, I. stack Syxty Leef, Saixty brons, pig rron. Brand (Tookbridge) Softman gazents, Chamberlain, Turney & Barist, Onlinding, St. Louis, Wo., L. house, Wo., Ill., and Philadelphia, Pa.

Iron Gate Alleghany Ry. 132.

Alleghuny Iron Co., New York City, 29 Broadway — T. C. Jones, m., t. Alleghuny, hot blast, 1 stack 13x65, feet, 25,000 tons, por iron — Brand "Alleghany" — Selling agent, 4b riwether Jones, Rachmond, Va.

Low Moor Ry, 132.

Alleghany Low Moor Fron Co. of Virginia, A. C. Means, prest, Frank Lepman, vice prest. N. M. Bell, seey. T. A. Low, treas., N. G. Merry, nigt. Cap 84k, 8600,000.

Lynchburg Ry. 132, 523, 622,

Campbell | I. Butd Grubb | Ldward P. Lee, negr. | Lynchbutz, hot blast, I stack 1200 (roct, 1s, so tons) pig iron. | Brand (gg. "Lynchburg" | Selleng agents, Ldmaind D. Smith X Co., Pholadelphia, P.) itales al Willeav Brown, owner 1 P. Williams, supt. C p. 85,000, [8 nk ar Cecek, charcoal blast, 4 stack above feet, 2,500 tons, par [13,nk mg/c) to sk

New port. Ry, 523 Roanolse Hy. 523.

moke Pon Co., Joseph II. S. nds, prest., James I., Poeter, seev and 1998. [Henry Keng, ngr., Pd. ap. gap. Stuppor.] Romoke, ch. cond blast, I stack sovicate 3, 2000 tons, pg., [Bennd] [Romoke, S. Selling agents, Cucker Bross, New York, Chr. 2019 Hills.] Boundle Boutoke Dun Co.

#### WASHINGTON

Frondate Rv. 552.

Jefferson, Paget Saund Iton Co., San Jeann Seo, Co. — «Montgom Co.St. Co.», W. Pessodt, prest. "John L. Merrall, y prest. "Moraliam Hubey, sery after the ast. 154 aprecip. Science. Prom. Ic., Charcoal Idast, J. Stack Joyan Co. Legowicz, press. Brand Co. Sec. Science (1988).

#### WEST VIRGINIA

"Marshall, Rayesade Fon Works, Wheeling W. Varall, "O'Marust" of N. Varner personal department of the foliable states of the state of t Benwood Ry 42, 534.

Preston 2. Namegyer, Cap systems, frondale, hot dast, I stack novi frost progress, p.g. non-Frondate: P. O. and Ry Insti pendence 42

Wheeling Rv. 42, 175, 555, 504, 584,

Office While Lig Stock Point on Capesta St. St. Socious Termont hot be st. 1 stock to the concentral Resserted 4, 581 ( ) p. 2 gon. Brand Chelmont

#### W18CO\81\

Ashland Ashland Ashland Ashland Ponk Stofter Manapoles, With Cathering Combined Boy A. H. H. deeper Trail By 14, 495 525 27 B. Fronte, a post of W. H. H. hage seek and Cathering as New West wing (4.1), 12, near asset in a Bland per performance of the hage state of bloss 1 share social test, near the properties of the hage 13.

De Pere Hy 150, 451

Ironton

Brown National Lutines Co., Henry S. Smith, p. 81. H. S. Packards, v. press. Luggier, Smith, seed, age press. W. L. Brown, trens. Pd. up on a Serieou, National Science and Section Kat. J. Greek, 2002, pp. 1863.
Brand "National," Soling agents, Pick, and Kateria, v. e. e. Co., Language, H. J. Rosert, Plang.

Fond du Lac Fond du Lac Wesconsin Futuace Co., Chicago, IR, 70 December 19, A. Hyde, person J. I. Lorsvili, seevon 19, 18, 18, 144, 150, 827. W. H. Nelson, ingrand supe. For apropriate personnel Lac, 1 (v.o., bast 1 strong 7001) to Exottons, mallerible and car where personnel Wesconsin [8] and at his lorsvili, Hyor X. Chenggo, III, as and 70 Dearbour st

Sank Pon Mountain Oo & Puthae Co. G. W. Andrews, press, "Her Groen, seecond C. G. em. G. W. Andrews, mgr. Sank, classed bleak asks of the notions, p.g. Brend S.

Mayville 10 10

Dodge Northwestern Iton Co., Milwinker, Wish 67 N. v. Insurane (Edg., Irvin, M. Berg, reest and angle (1) Spenicer, v. prest, M. K. Fackman, seev. Clast I. Islov, teas. Clast A. Gettess, said, tapes, sourmer, Maryalle, Into Plast, I stack of vitte engagement (E. R. L. Scher, Schen, Scher, C. Scher, Scher, Scher, C. Scher, Scher,

Milwaukee 141. 150 449, 454,

M (Waukee | Illinois Steel Co., Chicago, Ill., Rookety 1961 | Adams and La Silvests of C. Merse prest | W. R. Srebo (1997) | Fil. | lag and H. S. Smith, y prests | H. A. Gaya Sovy of C. Shaten, w. S. Magarakee, stacks, for both 1990 (1998) | Rossenier prig foundry and male poland speeds | S. Sang, Jenes, Pickaney, Brown & C. Gutti Hoor Rookety 1992, Chicago H.

Lows

#### NOVA SCOTIA

LUCATION, AND SHIPPING POINT

VND COUNTY

RALWAIS, WATER ROUTES NAME OF COMPANY OF EXPLIPITAL LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENT FROM LOCATION OF WOERS, NAMES OF OFFICERS, PAID-UP CAPITAL STOCK, KIND OF PURACE, NUMBER AND SIZE OF STACES, ANNUAL CAPACITY IN TORS OF 2000 POUNDS, NATURE OF OUTPUT, BRANDS, AND SELLING AGENTS.

Bridgeville Ry, 325,

Picton, Pacton Charcoal Iron Co., Ltd., New Glasgow, Nova Scotia, W. B., Moore, prest.; D. R. Grant, seey, and treas., E. A. Sjostedt, ngr., Pd.-up cap. 850,000. Picton, charcoal blast, T stack 59x11 H, 7,000 tons, car wheel and multicable pla;

#### MEXICO

Durango Locab. Durango Durango Steel & Iron Co., Des Momes, Iowa, James Callanan, prest.; Geo, Crane, v.-prest.; Geo, W. Baker, scey.; A. Holland, treas, and registrar; Hon, L. Lopez Negrete, arty.; J. S. Met'anghain, gen, ngr., Pd.-up, cap. \$3,000,000. Durango, charcoad blast, 1 stack and 3 puddling furnaces, 2,000 tons, pig and lan. Schling agents, Shallkoccut & Co., Durango, Mex.

## SMELTERS.

## REDUCTION AND SAMPLING WORKS

#### ARIZONA

CALIFORNIA

Noedles San Bernardino Needles Bednetion Co., Denver, Colo., 521 McPhys. Book. cor. S. venteen the 51 Glenarin sts., Isnae E., Blake, prest., Werrenty, Privaly v., prest., Gosel C.H. inv. seev. Wallet I. Crosby Peas., F. I. Morgan, ingr., and suppl. cap. sets. Styonomy, United Construction.

COLORADO

Name of Company of Individual, Location of Principal Office when 1911 flower from Location of Works,

Names of Officers, Patholy Capital Stock, Kind of Lubrace, Ninella and Size of Stacks,

ANNUAL CAPACITY IN LONS OF 2.00 POUNDS, BROADS, AND NOUTLE OF THE DEEP

Navapii Arizona Oceator, Foster S. Dennis, perst., J. M. W. Morter, vsprest., M. C. Poster seev., W. R. Jones, 1983. II D. Derwin, supt. Pd. up cap. 8,7500. Samulers and longers of gold, salver, lead and copper ores.

"Prima" Tueson Sampling Works "Chas R. Woo's, propriated unge". Sampler of gold, salver, lead and copper ores,

Annalog Phonix Reduction Works. A cast is X-Barner low less. Bever teatory in release t stack 3x60 niches, 1,000 tons, bullion, salver and gold.

Nevada Pioneer Reduction Works Co. Benj. Hall, Win. Elack, J. North v. ad J. G. Northey, owners. Bont. Hall, supt. Cap. 80,000. Reverbedatory furnace, 28t icks, 2500 tons, 2004, silv. and coppet building.

Pioneer Sampling Works. Berg Hi P. Win Black, J. North v. and J. G. Northev, occurs. Berg Hall, supp. Capt. Space. Sample is of gold, silver, and copper of s.
Amado: Amado: Reduction Works. J. C. Noothers, suppl. Rev. 9 for foce in a chlorar tron process, I stack 20x36 melies has of the contributions of our followed salve.

The Ekrin Smelting Co. A. Sherwan, prest, treas, and ingr. H. W. Lake, v. prest. Saint D. W. kler, seey, and supt. Ph.-app.cap 812000. Elast furnaces, 3 stacks, 55,000 tons, lead to, hou and copper mattle. Braint "Elgin Smelting Co."

Nevada, T. Petitican, P. O. Boy 361 - Platine a two-story turnace, 1 stack, 266d, silver, lead, adjectment on s.

LOCATION,

RAILWAYS, WATER ROUTES

AND SHIPPING POINT

Tows

Tueson Ey, 692.

Dryfown Ry, 602. Grass Valley

Ry. 190.

Nevada City Ry. 190

Sutters Creek Ry, 692

Valle to An - Contra Costa (P. O Selby Ry, 692)

Ry, 604

Aspen Rv 26 115	Holden Sing ting & Witing Co. 1 by R. Holden grost, Rich to Griedy prest and tools of L. beroing, servy, William's Morse, an ingree-Gap star should be Layverbon process, a cortons, silver builton.
	Taylor & Rumiton Sampling Works Co., U.S. v. J., M. J. vot, pr. st., and p.g. (1) W. Relation, v. prest , L. H. Kemble, seev. Cap. stk, 85500. Samplers of gold, 8 ver. 1, d. and concern s.
Boutder Boutder Ry 776	W. J. Chamberla if X too, sample is and boxe is of precious ores. ( $S \in \mathrm{Denv}(\mathbb{C})$ no
Denver Viapilior Rv. 26, 142 - 15, 460, 776	W. J. Chamberlan, X. Co., 1915. Sixtenith st., Samplers, and Jovens, of processories. Secratso Boulder, two getown and Idaho Spongs, Colo., Austra and Caron, New 2018, early projects.
	Denver Public Sampling Works Co., Room Palace Hotel   W. L. Smith press   J. Moenn 2, seev. P. S. Bridy, supt. Cap. 8th, 850,000   Samplets of gold, silver, copic 1 and lead over, 180,000 for s.
	Elewellyn Smeltin, & Rething Co., 500 and 500 M mag Lychange. H. S. Hade, prest. H. A. Lewis, 800 a. Howard Fyans, treas. J. O. Hogg, mgr., T. F. Plamer, 80pt. 3 ap. 83, 00 poor. No. 9 v. neorporated.
	Om, ha X. Grant Smelling Co., Cax C. Barton, post of B. G. and V. dress. J. W. Nash, soc., and b. s. Filward Eddy, angr. W. H. James, suppl. Pd. aporates. Sociolo. B. st., a see tomato via the ost, 10 stacks section in hes. Pager tons. J. cad. bull on comper and see B. del. G. d. Smelling. Co.
	Union (98) Sampling Co., Glo Lighteenth St., Herman C. J. G. (1983) and mat. Class. Refer, v. prest., od. (1983), Chas. H. Toll, seey. Telev Weiter, sint. Cap. Siles (2000). Sample s of gold as five coppet and lend one, Topocolous.
Durango La Plata By 215.	The San Juan Smelting & Manag to , New York City, 16 Wall St., Henry Amy, post of A. Davidson, seey, and treas, E. J. H. Amy, nu21. The ad basel furtheres, 6 shacks never and (s., 85,000 tons, base builtion, gold, sitter, heart and copper.)
- Georgetown, Clear Creek Ry, 776.	W. J. Chamberlain X (c)., one buyers and samplers — See Denver, Colo.
Idaho Springs Clear Creek Ry 556.	W. J. Chamberlam & Co., ore buyers and samplers — So. Denver, Com-
Lembythe Vake Ry 26, 245, 776.	American Smelling Works, J. B. Arnold, prest, Win H. Van Arsdale, v. prest, H. I. H., ans., at V. prest, John A. Khapp, seev. H. H. De Doss, bres. F. T. F. Liu ch. mar., Cop. six, 25000008. Shall intrinsics, 100,000 tons, 201d, silver, pig-load and cooper matter. Brands "Avisona Related," Auton., and "Chengo," "See Aurora and Chengas, H.
	Consolidated Kansas City Smelting & Refunna for, Kansas City, Mo. 201 I sydama Fild. And R. Meyer, prest, and free, NAWethered, & prest, R. D. Fyerett, seey. H. Hubber, gen and E. R. D. Rhodes, sipt. Physic edge, S2500000. Blast turnace and water packets, 24 stacks, 36/500 fors, bullion and copper matte refinery, gold, silver, lead and capper. Brain's "Kansas," "Refunda Lead" and "Kansas City". New York Office, 20 Aussan & C. Ienago office, The Rookery. See also I Flavo, Dexas, and Argen.

tine, Kan.,

La Salle ... .L. Ry, 135, 142, 319.

#### COLORADO (CONTINUED)

GAH WAYS, WATER GOUTES AND SHIPPING POINT		NAME OF COMMANY OR INDIVIDUAL LOCATION OF PERDUPAL OFFICE WHEN DIFFFERNT FROM LOCATION OF WORKS, NAMES OF OFFICES, PAID-TF CAPITAL NIOCE, KIND OF FUNAGE, NUMBER AND SIZE OF STACES, ANNUAL CAPACITY IN LOSS OF 2000 POUNDS, BRANDS, AND NATURE OF OFFICE.		
Town	OND COUNTY			
Leadville (Cont	tinned, i	Harrison Reduction Works, smelters of gold, silver, lead and copper ores. (See St. Louis Smelting & Refining Co., St. Louis, Mo.)		
**	**	Public Sampling Works, H. H. Norton, mgr.; P. P. Seltzer, supt. Samplers and buyers of gold, kilver, lead- and copper ores.		
Pueblo Ry, 26, 1	"Pueblo 42, 215, 460, 776.	The Colorado Smelting Co. A. Eilers, prest, and gen, mgr.; R. W. Havmond, vprest.; H. C. Cooper, seey.; W. S. Gurney, seey.; A. S. Dwight, supt. Phup cap. Syrigon. Shall furnace process, with reasting mirnaces, Sciacks Agrosia melas hearth area, Sagot tons, base bullion and copper matter.		
		Philadelphia Smelling & Relining Co. M. Guggenheim jr., prest.; Win. Guggenheim, v., prest.; S. Guggenheim, trens; Berd, Guggenheim, mr.; A. Jählt, supt. Pdup can, St.23000. Blast furnace, lend smeller, Sstacks, 32020 inches, Donotons, base bullion. Gee also Menterey, Mey.)		
		The Pueblo Smelling & Refining Co. M. D. Thatcher, prest, W. F. Havenieyer, vprest, S. R. Ritchie, seey, and froat; E. W. Allen, gen, mgr. E. F. Matherson, supf. (4d) up cap. \$1.678,290. Blast Intrusces, 12 Stacks, 250,000 for boare builton, silver, gold, lead and copper.		

#### IDAHO

Wallace Shoshone Sorthwestern Sampling & Milling Co., Spokane, Wash., Rooms 32 and 40 Zeigler Bldg., Jos. E. Boss, Ry. 529, 776. prest, Go., D. Potter, v-prest, Ernest C. Arnoldt, seek, and treas, Goo. D. Potter, ngr., Cap. 8tk, Storgor Pomeer sampling Works, samples of gold, sibre, lead and copper ores

# HALANOIS Aurora ... . Kane Chicago & Autora Smelting & Refining Co., Chicago, Ill., The Temple, 184 La Salle st. J. B. Arnold, prest.;

Ry, 135, 148, 150, 24	٦,	Win H. Van Arsdale, v.sprest., H. I. Hragius 2d v.sprest.; John A. Kinipp, seey., H. H. Dé Loss, treas. E. F. Enrich, m2t. Cap. 8tk. 82,00,000. Shaft, furnaces, 50,000 fors, gold, silver, pig lead and copper matte. Brands of lead "Autora Relined," "Autora" and Chicago," "see adv., page 11.
Chicago t Ry. 142, 146, 383, 26 145.		Chicago & Aurora Smelting & Refining Co., The Temple, 184 La Salle 81. J. B. Arnold, prest.; Win, H. Van Arsdale, vprest., H. I. Higgins, 2d vprest., John A. Knapp, seey.; H. H. De Lass, trens.; E. F. Eureli, ingr. Cup 81d, 82,000;000. Shalf, inrinaces, 25000 tons, gold, silver, pg-lead and copper matte. Brands of lead "Aurora Refined," "Aurora," "Chicago," (See adv., page 11.)
		Chicago Copper Retining Co., 62) Phenix Bldg. Smelters and refiners of copper matte. (See adv., page 11.)
		National Smeiting & Rehnung co., 520 and 521 Phenry Bidg. Barton Sewell, prest, and treas.; Marshall F. Holnes, v-prest, and seey.; F. B. F. Rholes, supt. Smeiters and refiners of ore and base bullon. (See adv., page 546).
		Walburn-Swenson Co., 1520 Monadnock Block. A. W. Walburn, prest. M. Swenson, seey. Experimental concentration works and assay laboratory. (See adv., page 557.)

#### KANSAS

Ala Salle Matthiessen & Hegeler Zine Co. E. C. Hegeler, prest., F. W. Matthiessen, seey. Pd.-up cap. \$426,600, Zine furnice, 13,000 tons, spelter. Brand "M. & H. Zine Co."

- Baker Crawford W. & J. Lanyon, Pittsburg, Kan. Sry turnaces, 3,000 fons, zinc spelter. Brand "W. & J. Lanyon," (P. O. Pittsburg, By., 25, 388, 400, 750.
- Galena , "Cherokee American Spelter Co., St. Louis, Mo., 322 Pine st. L. B. Stephenson, prest.; E. W. Humphrey, v.sprest. and magr., F. U. Espensechrel, seev. and treas , Richard Baker, supt. Pd.-up cap. S220,000. Zine smelter, G. blocks. La44 retorts, 6,001 fons, zine spelter. Brand "American Eagle." Selling agents, John Wald Commission (c), 83, Louis, Mo.

#### MISSOURI

- Old Mines
  Ry, 160.

  Washington Union Mining & Smelling Co., St. Louts, Mo. C. B. Barnham, prest,; C. A. Davis, seey., G. W. Chadbontne, trens., Alex, Harrison, supt. Pd. app. cap. 880.00. Blast Inrinaces, 2 stacks 12x15 feet, 2,0.00 tons, pig lead. Brand 201d Mines Lend Co.,.

  8t. Louis St. Louis St. Louis Sampling & Testing Works, 1225 and 1225 Spruce st. Complete plant for sampling and testing
- St. Louis S., Louis S., Louis S., Louis S., Louis S., Louis S., See adv., page 546.
   St. Se

#### MONTANA

- Cestle : Meagher Cumbertand Muning & Smelling Co : Chas. E Severance, prest., Arthur Young, vice-prest.; R. H. Munty, Ry, Townsend 529. serv., J. L. Flaser, trans ; A. J. Hunder, Incl. s. app. sik., 85,000,000. Watter mekets, 1 stack 48806 inclus, et stack 3680 mekets, 4800 tons, lend much slive building Rend C. A. & S. Co. ?
- Las(Helena, Lewis, Clarke United Smelling & Reiming Co. A. S. Howitt, prest., Wm. N. Cromwell, v. prest., H. C. Cooper, seey.; W. S. Guinec, trens. A. Eilers, gen. mgr., H. Suhr, mgr., A. L. Denn, supt. Cap. stk. \$1,50,000. Samplers of gold, sthere lead and eopper ores.
  - \* United Smelting & Reining Co. A. S. Hewitt, prest, Win. N. Cromwell, v.sprest., H. C. Cooper, seev., W. S. Garnee, troas., A. Eilers, gen., ingr., H. Sulur, ingr., A. J. Dean, supt. Cap. 84k, 81,830,000. East Helein, 4 stacks 26,000 inches, 73,000 tons, base bullion and copper matte. Brand "United Sm. & Rel. to." Selling agents. National Smelting & Reiling Co., Chlerge. His.

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#### MONTANA CONTINUED

LOCATION, RAILWAYS, WATER ROUTES AND SHIPPING POINT. TOWN AND COUNTY.	NAME OF COMEANY OF INDIVIDUAL, LOCATION OF PRINCIPAL OFFICE WHEN DIFFERENCE FROM LOCATION OF WORKS, NAMES OF OPPICTUS, PAROL CUPITAL STOCK, RIND OF FURNACE, NUMBER AND SIZE OF STACKS, ANNUAL CAPACITY IN TORS OF 200 POUNDS, BRANDS, AND NAITHE OF OUTFUT.
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- Glendale, ...Beaverhead Heela Consolidated Manug Co., Indianapolis, Ind. John Thomas, prest. W. H. Talbott, v-prest.; John Ky, 529.

  McCatcheon, seey.; John C. Wright, treas., H. Emplenberg, gen. mar. Pol-up cap, 81,500,000. Water jackets, 3, 8 tack, base bulllon, sold, silver and lead. Samuel A. Batber, supe.
- Cascade United Smelling & Reliming Co. A. S. Hewitt, prest., Win, N. Cromwell, v-prest.; H. C. Cooper, seey.; W. S. Gurner, treas., A. Eders, gen, mgr., H. Suhr, mgr. A. L. Dean, supt. Cap. stk. \$1,300,000, Samplers of gold, silver, lead and copper ores. Great Falls Ry, 292, 293.
- United Smelting & Relining Co. A. S. Hewatt, prest., Win, X. Cromwell, v. prest., H. C. Cooper, seey., W. S. Gurmer, treas., A. Eilers, gen. mar., a., Subr. aug., A. L. Dean, supt. Gap. 84k, 84,330,00. Great Falls, 4 stacks 42,06 medies, 75,000 tons, base bullion and copper matte. Brand "United Sm. & Ret. G.," Selling agents, National Smelting & Relining Co., Chesgo, 111.
- Helena Lewis and Carke U. S. Public Sampling Co., Power Bldg. S. Braden, prest, and Ingr., E. D. Edgerton, seey, and treas., F. B. Braden, supt. DI up cap, 875000, Samplets and bayes of gold, silver, lead and copper ares, 50000

#### NEV VDV

Austin Ry. 489.	Lander, W. & Chamberlain & Co., or ensurers and sample is: $-8\psi$ Detay	(, ( ) )
Carlin Ry. 692.	Fiko W. J. Chamberlain & Co., ore lowers and samplers. See Denve	r, Colo i

Flko Jumper Consolidated Mining & Smelting Co. (J. P. Lemins, press, and m.) (W. M. Beal, v. prest, W. X. Beal, seey, and treas - Pd up cap, \$70,000. Water nacket, smelting furnace, 2 stacks, 25,000 tons, base Sprucement Ry. 602. bullion.

#### NEW MEXICO

Denning Ry , 2d, 692	Figure Demang On Co., Theo J. Van Wiger appeals that it is a value of the State W.B. Leess, seek and treas, J. V. Martin, supt. Cap. 8th, 85 200. Sample state gold as two local copper and zine ores, in the form.
Hillsboro Ry 26.	Setra Standard Gold Manna & Wilang Gol, Murn (poiss) Mure process of vir Block days C. Stond, press 11, D. Matchan was C. W. P. Scholer of the Sax Nethodas started, may what Kenny supt. 19th upwarp state (poisson Matter France, smooth) Physical may coupled matter gold, selver and copper, Brand Standard C. See also Proceeds Samethia, & Ref. 1, Co. P. Problem Gold, selver and copper.
Sacotto	Someto, Randerman's Smelling Works smealers of accounts of See St. Lore St. Lore & Returning Co.

Societie. Rie Grande Smelling Works, sneuters of processor see See See Lory S. Frenz & Returning Co-

#### XEW YORK

Niagara Cowles Electra Smelting & Abuminium Co., P. W. Malipiessen, post. A. H. Cowles, v. prest., H. W. Power, very J. A. L. Osborn, Press., P. J. Deves, supt. Prod. at some red at unanoum Estand. Cowles. Lockpott Rv 50t, 50t,

#### SOUTH DAROTA

- Lawtener Dearwood & Delaw, a Smelling Co., W. In., edit. (200). W. H. Switt, pr. 83. W. G. Petra packet, 83-556. doi: 10.100/j.m.c. Programmer Programmer Science Basel Co., Science, and lead bullion, gold, silver, lead and control. Drendwood
- Pennington Black Halls Milling & Smelling Co. Robt. H. Choose as a smalling C. Wh. Junnya prest and co. s. A. W. Bell, seek. Donald Dennes, supt. of p. st., s. conc. Chrotical on p. wess, 5,000 toles, s.e. Rapid City Ry. 274 1 1

#### OREGON

- Waltnomah Pottland Smelting & Relming Works, Po Para (1997) cotto: 1 (st. and Oak 85) (John Mee e. e. pr. Chris Hegeley Veprest), W. V. Buchan (1987) Relation B. Bish (comb. Paras, 88) (the graph Polygograph Singare Lend Smelter) vater (no. 3), 2 shock sees makes (1997) as a floor good sees. Lumton 108
- Portland.

Manisfield

#### PEXXSYLVAXIA

LOCATION, RAILWAYS, WATER ROUTES AND SHIPPING POINT	Name of Company of Individual, Location of Principal Office when Different from Location of Works, Names of Officers, Paid-te Capital Stock, Kind of Furnace, Number and Size of Stacks, Annual Capacity in Yors of 2,000 Pounds, Brands, and Nature of Output
Town AND COUNTY	Associated in the of the locality phasibe, and matthe of Other.
Chester Delaware Ry, 42, 577.	Crown Smelting Co., Geo. N. Grumback, prest, mgr, and supt.; Frank Burns, vprest.; Henry T. Davis, seey, and freas. Cap. stk. \$500,000. Pdup-cap. \$75,000. Reverberating and crucible furnaces, 2 stacks area inches v.65 feet, 1,500 tons. Crown and Phosphor bronze and brass. Brand "Crown."

isfield ... Allegheny Pennsylvania Lead Co., Phtsburg, Pa., 439 Wood St., J. E. Schwartz, prest.; B. W. Doyle, v.-prest.; J. L. Schwartz, seey.; H. E. Anderson, treas.; Geo. Faunce, supt. Cap. 8tk, \$1,000,000. Blast and reverberatory transacs. 4 stacks 38y100 meds, 30,000 tons, pg. lead, copper and fine gold and silver. Brands "Penn'a Ref'd" and "Penn'a Lead Co."

Pittsburg Reduction Co., Pittsburg, Pa., 116 Water St., Alfred E. Hunt, prest.; Chas. M. Hall, v.-prest.; Geo. H. Clapp, seey., W. S. Miltchell, Press., A. V. Davis, supt. Electrolytic smeller, 6 pots, 6x4x3 feet, 75 tors, metallic alumnum. NewKensington Westmoreland Ry. Fairfield 1t.

#### TEXAS

.El Paso - Mexican Ore Co., Sheldon Block. H. A. True, mgr. - Samplers and buyers of gold, silver, lead and copper 5.756. — ores, bullion and furnisee products. Ry, 26, 434, 692, 756.

Webb Mexican Ore Co. [11, A. Tene, mgr.] Samplers and buyers of gold, silver, lead and copper ores, bullion and furnace products. Laredo Rv. 326, 436, 623.

#### UTAH

Park City 8 Ry. 776.	summit	R. Mackintosh, Salt Lake City, Utah, Box 1135, gold, silver, lead and copper ores.	Pdup cap. $\$25.046$	Park City Sampling Mill, samplers of
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Washington The Divie Mining & Smelling Co., John Pymer, prest., R. C. Land, v.-prest, and ingr.; S. A. Pymer, seey, and treas. Pd.-up cap. \$125,000. Divie, water jackets, 1 slack 36 inches, copper, 325 Ions. St. George . Ry. 776.

Salt Lake - R. Mackantosh, Salt Lake City, Utah, Box (193, A. J. Cushing, mgr, and supt. Cap. 825,000. Pioneer Sampling Will, gold, silver, lead and copper, 182,5rt tons. (See also Park City Sampling Will.) Sandy Rv. 215.

t Lake — 8alf Lake — The Conkin Sampling Works. F. O. Harn, prest, and treas., C. B. Markland, seey, and supt. Pd.-up cap.
Ry, 626, 776, 777. — \$14,000.—Samplers of gold, silver, lead and copper ures. Salt Lake: Mingo Smeiting Co., J. E. Schwartz, prest.; Win. Real, seey.; F. H. Officer, freas.; Pritz Wolf, supt. C 8th, 8500,000. Blast, 7 stacks 36x120 inches, 110,000 tons, pg/lead and copper and line gold and silver.

#### WASHINGTON

Everett Snohomish	Puget Sound Reduction Co., Joseph L. Cotby, prest, and treas., Charles F. Rand, seey., Alton L. Dicker-
Rv. 529, 666.	man, consulting engineer, Win, C. Butler, gen, mgr. Pdup cap. \$900,000. Water jacket, 3 stacks,
	42x120 melies, 75,000 tons. Base bullion.

Okanogan Washington Reduction Co., Portland, Orc., 205; Morrison st. D. P. Thompson, prest,: Jonathan Bournity 529 (8) (1997) (1 Ry. Coul o City 529 St nules

Pherce Tacoma Smelling & Refining Co., Geo. Browne, prest., Paul Schulze, v.-prest.; Bichard Briggs ir., secy.; Walte Oukes, frens., W. R. Rust, mgr., F. W. Clark, supt., Fid.-up cap. \$1,000,000. Blast furnace, 2 stacks 3a84 meles, 4,000 tons. Lead bullion and copper matter. Tarcoma

#### RRITISH COLUMBIA

Revelstole WestKootenay Kootenay Smelting & Trading Syndicate, Eld., London, Eng., 31 Lombard St. L. R. C. Boyle, prest., William Bailey, seey., F. Rossel, mgt. Cap. 8th, \$200,000 Shaft, Inrinace, water jacket, 1 Stack 36872 melles, Logor fons, Logor fons

#### MEXICO

Chilmalina St. Louis & Zacat, cas Ore Co., St. Louis Mo., P. O. Boy 605. Geo. J. Wanless, agent. Samplers of gold, silver, lead and copper ores. (See St. Louis Smelling & Refining Co., St. Louis.) RV 131.

Nuevo Leon Compania Minera Fundidora Afundora, Patriclo Milmo, prest.; Francisco Armendaiz, v.-prest. Adolfo Zambramo, secy. Renadol Berntidi, (reas., Newton R. Wilson, nigr., Elwood, J. Wilson, supt. Pd.-up cap. 81,00,000, Cia. M. F., y A. "Wonterey." Silver and lead, 6 stacks, 150,000 fons, bullion. Brand C. M. F., y A. M." Sedling agents, Englis Kelly & Co., New York City. Monte rev.

The Great National Meycam Smelting Co., City of Meyico, Calle Sin Juan de Letran No. 13. Apartado Postal No. 72; Sol Guggenheim, prest., Simon Guggenheim, v.-prest., W. Guggenheim, see, and treas, A. H. Bannotth, general manager, T. S. Austin, spit Geo, D. Barron, general agent, City of Meyico, Cap. 84k, \$1,000,000. La Gran Fundicion Nacional Meyicano, blast and roasting furnaces, 6 roasters acayte mehrs, 4 roasters &0vi20 mehrs, 200,000 form base bulllon, silver, gold, copper and lead, Brand CG, N. M. S. Co. Selling agents, M. Gurgenheim's Sons, 6 to 49 Cedar St., N. A.

S Luis Potosi S Luis Potosi (compania Medalurgaea Mexicano, New York City, 44 Pine st. (N. Witherett, prest., R. S. Towne, v. prest., A. Toster Higgins, treas., 94 C. Brown, negri; F. Cozen, supt. Water packet turnace, 40 stacks 40 years and present supplied by S. S. S. Guttons, lead burkers.

## MINING, MECHANICAL \* ELECTRICAL ENGINEERS. ASSAYERS, GEOLOGISTS, METALLURGISTS, MINE INSPECTORS & MINERAL LAND SURVEYORS

ALABAMA		Fown Anti-Corner		NAMI	
Town AND	COUNTY	NAME	Prescutt	Yavapa	F. B. JACOBS, C. E., U. S. mineral surveyor, mines examined and re- port don, describle mining prop-
Aldrich	Shelby	W. F. Aldrich, mining engineer			city for sale.
Ann.ston	Calboun	William Makemson, analytical chem- ist and assayer.	Tombston : Tueson		Wm. 1. St. union, mining engineer. THEO, B. COMSTOCK, mining and
		G. S. Patterson, cor. Noble and Tleventh sts., mining and evid engineer.	THESON	r and	met dintagen engineer, reports fur- usited, acts as consisting engineer, specialty, electric applications.
Birmonehom		Affred F. Brametd, 5° N. Twenfieth St., mining engineer and chemist			$K = \frac{\lambda}{\alpha_{\rm B} T}$ Johnson, $A_{\rm b} = 8$ survey of seen
**	**	N. B. Smith, chemist			
		Edward A. Uchling, 100 N. Iwenty fourth st., M.E. and furnace mg.		113	K / N R / N
Blossburg	3 Herson	F. M. Tutwiler, mining engineer	Programme to the		W. S. ABBOT, in ming engancer.
Coalburg	lefletson	Priestley Toulinin, maning one need, S. I. & S. Co.	Cod Her		E. A. KLINE, in rang engageer, Sapt.  Units to, to
Ironaton		Thos, tobb king, mining engineer and superintendent.	J. i. I. in	s 5	T. P. S. C.V. ro non- and consulting
Predment	Callionn	A. M. Lloyd, M. S., chemist So the re- Emixite Maning Co.	Little Book	Pulask	John C. Beraner, state geologist,
Pratt Mines	Jenerson	Chas, E. Bowton, min ng engin -			Lead Wat of the Madding of
**		Andrew J. Reilly, $t \in \Gamma$ and $M/T$			to the channer, assaye and chemis
University	Luscalo isa	C. Willard Hayes, assistant geologist U.S. Geological Survey			
		Henry McAlley, assistant state godo- gist and chemist		€, 71	AFORNIA
		Wm. B. Phillips, Ph. D., professor of chemistry and metallingy	$X^{t_{0}}(n) \rightarrow^{t_{0}}$	Al more	Algeria Agints, Sot Railroad avii, man migenga est and metallingist.
		Fugene V Smith, stab geologist			J.W. H 22 most form, ninning engineer
	Ĭ.	LASKA	$\mathbf{V}((0,1))$	Post	R. L. DUNN, civil and maning en- age of the assistant gooding only sixty of the formal state mining
Ann in		WINTHROP W. FISK, B.S., in roug- gagnete rand-groupst. Last et nor- fice, 257. Washington St., Boston, Mass. Gold properties as specially, indices examined and report of on- thickee givernor proper development or mines and interfuncts needed.	Both South	A committee of the second	<ul> <li>m. (Boresty, Presiment As processes manifered and metalling), California Livesty</li> <li>C. A. J. WATERMAN, In hits case</li> </ul>
S.H.:.		Orville T. Potter, U.S. marshal and Asolineo surveyor general	Pendaga 3	S 6187.1	Win 1 St. As a main national of
	\ 1	21ZONA	Govaniza L	(S. \1) // S	Without Methods, to $\Gamma$ , $\Gamma$ , $S$ of $\gamma$ . Otherwise substitution
Campbell Via Kingia	Var. 0	John H. Campbell, maning engine (); indeficingst.	Course Valley	N. V. Li	Thes. I. Lockhart, analytical chemist and assayer
Copper Basin	Vav. par	F. O. Chase, mining engineer			L. A. Wiitsee, mining engine (
Plorence		ALBERT T. COLTON, M. I I -	Kinoxyi.)	Napo	A. Me Millian, finiting engineer
		departy numeral surveyor, eavil on gameer and topographer, class on gameer of Florence Canal Co	Lis Yuse es d	is Millionies	FRANK ALDERMAN CARBUTT.  41 Ohio St. mining one of a columning combined of Special good.
Globe		Arthur I. Walker, mining engineer			queste innesse en ned obstested percesses en ourne idea, contro se entertado estimal se en slora
Harrisbur <sub>s</sub>	% tation	JOHN McCASEY, metallingust min- ing and mechanical engineer, mines examined and reported on.			do n Golosworthy, M. F., Boote C., Tempe Jook assayet, U.S. door
Mammoth	Parat	Paul CEORCE H. BARNHART, noting engineer and metaduress, mines ex- citation and reported on speciality, innocuming management.			Protection Service Vot
					John L. Plane, Al. P., Lomple, R. C.
Oro Banco	Paul	C. W. KEMPTON, mining digital:			Alternative and Martin (Section 2).

Town and	COLNEY	NAME	Town And Cor	NTV	NAME
Lower Lake.  Nevada City.	Nevada	L. Evans, U. S. deputy mineral surveyor. W. F. Englebright, mining engineer. CARL MESSE, assay office of J. J.	S. Francisco, S. Pri (Continued.)	ancisco 🖡	HORACE B. CALE, 40 California st., consulting mechanical and electrical engineer: formerly professor of mechanical engineering at the Stan- ford University. Specialities, steam engineering, electric lighting and
		CARL HESSE, assay office of A. J. Ott, mining engineer; ngr. Odin Gold & Silver Mining Co., Cal., late supt. of the Royal Saxon Smelling Works, Friedberg, Germany; Per-	••		power transmission. L. Gilson, 211 Sansome st., mining engineer and mine manager.
		kles Lead Smelting Co., Greece; Ca'r- lama Nickel Co., Ltd., and Collars del Lobo Mines, Spain; Old Tele-			JOHN H. HAMMOND, 124 Sansome st., civil and mining engineer.
		kima Nickel Co., Ltd., and Collars del Lobo Mines, Spain; Old Tele- graph Smelling Works, Utah; Gregory Consolidated Mining Co- and Clark's Conner Smelter, Mon-	**	•	Eugene Hoefer, 1712 Stockton st., min- ing engineer and metallurgist.
		and Clark's Copper Smelter, Mon- tana, La Trinidad, Ltd., Mexico, Examination and management of mines and reduction-works a spe- cialty.			CHAS. F. HOFFMANN, 307 Sansome st., mining engineer, superintendent for the Mines d'Or du Forest Hill Divide, Mines de Golden River,
44	**	W. W. Waggoner, U. S. deputy mineral surveyor.	h 6		WM. J. IRELAN JR., Masonic Bldg., state mmeralogist State Min-
**	**	James J. Ott. 30 Main st., assayer.			mg Bureau. MARKE, KERR, 402 Front st., mines
Newcastle		Wm. B. Gester, civil engineer.			MARKB. KERR, 402 Front st., mines examined and construction of rail- roads.
Nimshew		George C. Higgins, superintending engineer			W. S. KEYES, Pacific Union Club, mining engineer, metallurgist, con-
Oakland		E. W. ROBERTS, 924 Moss av., mining engineer, supt. Carsons Creek Mining Co.			JOHN LEECHMAN, 508 California st., gold mme management and in-
Ogilly		H. W. Blaisdell, mining engineer.		**	vestigations.  C. A. LUCKHARDT, 23 Stevenson
Ophir	Pareer	Francis H. La Vallee, practical min- ing expert.			C. A. LUCKHARDT, 23 Stevenson st., mining engineer, assayer and metallurgist; mines examined and reported upon; practical tests
Oroville	.Buffe	James Oliver, mining engineer.  Thos. W. Reece, U. S. deputy mineral surveyor.			made; establishing the proper treat- ment of all ores a specialty. Estab- lished 1869. Laboratory and works,
Redding	.Shasta	J. M. Gleaves, Fairview Farm, mine superintendent and civil engineer.		**	<ul><li>23 Stevenson St.</li><li>D. Ernest Melliss, A. M., Ph. D., 524</li><li>Sacramento St., C. and M. E.</li></ul>
**		R. G. Hart'sr , mining engineer.			Wm. H. Pratt, U. S. surveyor-general.
		Wm. M. James, mining superintendent and engineer.	**		THOS. PRICE & SON, 524 Sacramento st., assayers, mining and metallargical engineers.
	1.6	E. A. Zoellin, cor. North and Court, civil and mining engineer, assayer.			Chis, D. Rhodes, 6to Commercial st., consulting engineer.
San Ardo	Monterey	MARTIN A. LATHROP, mining engineer and metaflurgist.			
San Bernardi Sai	no i Bernardino	Burr Bassell, 529 E st., U. S deputy			C. A. Suteffeldt, care of L. Palkeman, Safe Deposit Bidg, mining engineer and metallurgist. Robert Stevenson, 207 Larkin st., civil
San Diego	San Diego			**	and mining engineer.
**		Frank Robbins, 961 Fourth st., mining engineer and metallurgist.			R. B. SYMINCTON, 337 Seven- teenth st. mining engineer and as- sayer, engineer Black Diamond Coul Co.
*4		Clarence D. Sprigg, 961 Fourth st., assayer.	Shelby Con	tra Costa	H. H. Webb, mining engineer and metallurgist.
8. Francisco	S. Francisco	<ul> <li>J. Murray Bailey, 1s Post st., mining engineer.</li> </ul>	Sulphur Creek	Colusa	CEORGE V. NORTHEY, mining and mechanical engineer.
		M. P. Bass, 309 California St., mining and milling engineer.			
		ROSS E. BROWNE, 307 Sansome st., Room 14, mining and hydraulic engineer.		('()	LORADO
		CONNOR & CRANT, 3004 alitorina st., millwrights and engineers. (See adv., page 9.)		Sagnach	<ul> <li>FIELD &amp; MACNUTT, P. O. Box 563, engineers and assayers, U. S. deputy mineral surveyors.</li> </ul>
		A Archie Cunningham, 1) Chroville Bidg., analytical and consulting chemist.	9.9	**	Ingoldsby & Arnold, 417 Main st., civil and mining engineers.
		<ul> <li>W. C. DODD, Union Iron Works, hydraulic engineer, specialty, water power.</li> </ul>	Ashon	.Pitkir	1 Chas, E. Anderson, mining engineer. Alonzo F. Bardwell, M. E., 31s Cooper- av., assayer and chemist.
				4.5	C. Leonard Brown, 14 Keene Block, deputy nuneral surveyor.
		L. N. DOUCHERTY, 434 California St., Rooms 5 and 7, praefical inner and mining engineer. Twenty-eight years' experience. Investors' confi- dential agency.	**		Edward F. Browne, 232 Lake av., mining engineer.
		W. R. ECKART, Rooms 2 and 3, 217 Sansome st., mechanical engineer			David W. Brunton, 350 W. Main St., mining engineer.

NAME

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Aspen. Continu	ed, . Pitkin	FRANK BULKLEY, mining engineer, gen. mgr. Bushwacker Mining Co.	$\frac{\text{Denver}}{(Continued_r)} \frac{\text{Arapahoe}}{}$	E. C. Burlingame, 1736 Lawrence St., assayer and chemist.
**		FREDERICK C. BULKLEY, 200 W.		ARTHUR CHANUTE, vprest. Globe Smelting & Refining Co.
		Main 8t, mining engineer, gen, mgt. The Aspen Mining & Smelling Co., gen, mgr. The Roaring Fork Min- ing Co.		C. D. CHANUTE, 1118 Eighteenth St., assayer; samples sent by mail will receive prompt and careful attention.
		Stuart Croasdale, 600 W. Main st., chemist and assayer.		CHASE & RANK, 516 Mining Ex- change Bidg, mining engineers and 1 S deputy mineral surveyors:
**	**	Josef Eachhorn, 420 and 422 Durant av., assayer and chemist.		1 S deputy mineral surveyors; becation, patent and underground surveys, etc.
**		W. J. Elmendort, 420 and 422 Durant av., assayer and chemist.		FRED A. COX, 355 Club Bldg., man- ing engineer.
		Phil. C. Gallaher, P. $\Omega_{\rm b}$ Box 544, chemist and assayer.		Wm. C. Davis, 1818 Grant av., mechanical engineer.
		A. W. HARE, 412 L. Hopkins st., chemist and assayer		CEORCE K. FISHER, 61 Tabor
		HAYES & WILCOX, Aspen Block, mining enganeers, U. S. minieral surveyors.		Block, consulting mechanical en- gineer, specialties, mining, null- ing and smelting construction. Denver reterences, Globe Smelt- ing & Reiming Co., Omalia & Grant Smelting & Benging and Denver
		George Henry Hewatt, minning enga- neer.		Public Sampling Works, Tabor In vestment Co., colorado fron Works,
		CEORCE W. LLOYD, Keene Block, mining engineer		H. Van F. Furman, 540 People's Bank Bidg , M. F. and metallurgist.
		Charles W. Miller, P. O. Box, 401, U. S. deputy numeral surveyor		HARDING & CO., 1752 Curtis st., P. O. Boy 1445, assayers, western agents for eastern and foreign
		W. E. NEWBERRY, mining on gineer.		copper smellers.
		J. M. B. PARRY, 234 Hyman av., metallingy and mining engineering		<ul> <li>t. t. Hewett, 614 Boston Bldg., min- ing engineer.</li> </ul>
		Henry Paul, M. L., mgr. Aspen more		F. C. Humphrey, U. S. Surveyor gen- eral.
		J. W. Rachards, 635/8. Monarch st., assayer and analytical chemist.		JONES & JONES, 1821 Vrapalice
Canon City	Unctiont	charles Wells, U.S. deputy mineral surveyor.		KELLOGG, WARNER & CO., min- era meets, and brokers, finites and mening stocks bought and sold,
	s Pi Piiso	A. D. JONES, human engageer.		companies organized and promoted, reports turnished and rathus given.
		Richard New J. C. mgr. Matoa Good. Mining Co.		Correspondence solicited, Cable address, "Keknonga, benver
		Cales Otis Pearce, 513 Huertano st mining engineer and assayer		Edmind D. Karby, a Wandsor Hotel Block, M. L. and metallurgist
Crede		$\Gamma \operatorname{ield} X$ Macmitt see Amethyst .		4 hacles I' Tacombe, on Seventeenth and Glenarm, electrical and min- ing engager.
Crapple Creck	1 I P., so	CRAIGUE & KEITH, mining en gmeets, U. S. deputly mineral su veyors, patent work a specialty. P. O. Box los, Capple Creek Mining		Rong B. Lawteney, Dealt Block, con- silting mining engineer.
		veyors, patent work a speciality. P O Box 10s, Capple Creek Mining District		Chas II Layingstone, 355 Marion St., metallurgist Oni, ha & Grant Smilt ng Co.
•		Albert D. Freeman, cor Bennett av. and Second st., surveyor.		Anta McNeil, sispector of nines and matrix engaged.
		Fro man, Sperry & Co., cor, Second st. and Bennett av., surveyors and eval engineers.		ORLANDO METCALF, M. F. 802 Boston Bblg. or. a. conf. tool- ing 84.1
		fryng & voj. 306 - Bennett av , sa		DAVID C. MILLER, 156 Caylond
		PACE & NOBLE, P. O. Box 228 See Dontel adding engineers examinations and reports of mines		PACE & NOBLE, P. O. Box has a manufacturers, examinations and reports on manes. Also Box 28, 15 of the and Box 28, Capple Crock, tob.
		F. w., J. R. Warren, United States departy in neral surveyor.		
In Ita	helta.	John A Cuttis, eavil and hydraulie- ugmeet and surveyor		ALFRED RICARD, 19th Parel St. for these next, one as examined expenses the ricars per in hidome- ral non-special ricars and to distance this new soon mindiga- hossing to many and concentral in press reconspendents in En- coded these.
Тянует	V. palior	William 8 Ackerman, 156f Emerson av , mechanical engancer,		THEO, E. SCHWARZ, Seventeenth
		PHILIP ARCALL, the Boston Ed., mining and mechanical engineer. examination of mines, designs for minin, plants and or dressing works, mine minagement, efficiency address "Argall," Denver.		THEO. E. SCHWARZ, Sevende orthogony Associates as Reem 4. Each Break and Each Bre

1008 5 18	n Cot STV	NAME	Town AND	101711	NAME
Denver (Confi	Yeap Aree	SHEPARD & SEARING, Mining Exchange, mechanical and elec- tricul engineers; expert work in	Leady.!te Contin	ned.) Lake	George Holland, tos E. Fourth st., U. S. deputy mineral surveyor.
		both branches.		**	Taylor Holt, 220 W. Ninth st., assayer and chemist Elgin Smelting Co.
		Edward S. Snell, 2352 Race st., U. S. chief examiner immeral surveys.			Charles J. Moore, 591 Harrison av., U. S. mineral surveyor.
		P. H. Van Diest, 1230 Washington av., mining engineer.			SEELEY W. MUDD, P. O. Box 564, noning engineer and metallurgist; mgr. Small Hopes Consolidated Mining Co., Lendville Consolidated Mining Co. and Borcel Mining Co.
		Theo, F. Van Wagenen, 50 Montana av., munng engineer.			Mining Co., Leadville Consolidated Mining Co. and Borcel Mining Co.
		HENRY A. VEZIN, 51 Tabor Block, mining and mechanical engineer, examination of mines; designs for			Louis S. Noble, P. O. Box 228, mining engineer.
		mining plants, and for smelting and dressing works. Vonschulz & Low, 1633 Larimer st.,			PACE & NOBLE, P. O. Box 228 (see Denver), mining engineers; exam- inations and reports of mines.
		assavers.	**		W. F. Patrick, 114 E. Eighth st., min- ing engineer.
		WATERS BROS, Sheridan Bldg., mining and mechanical engineers, (See adv., page 9.)	**	**	Howard Platt, V. 8, deputy mineral surveyor.
		F. H. WHITINC, 33 Jacobson Bidg., mechanical engineer: steam and electric plants and railways a spe- cialty. Correspondence solicited.			Henry M. Post, 111 E. Fourth st., as- sayer and chemist.
				**	Robert D. Rhodes, supt. Arkansas Valley Smelling Works.
		HENRY E. WOOD, 1744 Arapahoe st., assayet, established in 1878, specialty, gold and silver ores.			JAMES A. SHINN, mmmg engineer.
		W. C. WYNKOOP, 307 Minus, Ex-			W. L. G. Smith, 113 E. Fitth St., U. S. deputy surveyor.
		change, mining engineer. Refer- ence, Union National Bank, Denver.			<b>EUCENE STEVENS,</b> 110 E. Fourth st., assayer and chemist, samples by mail or express receive prompt
Dimango	La Plata	ERNEST J. H. AMY, mining eng- neer.			by mail or express receive prompt attention.
Fulford		Glenn & Fletcher, assayers.	**		TINCLEY S. WOOD, mining engineer and mane operator.
Georgetown	4 Jone Cecok	A. E. Chase, U. S. mineral surveyor, Ernest Le Neve Foster, mining and	Marble City	Gunnison	A. J. Mitchell, civil and mining engineer.
		consulting engineer.	Onrary	Outas	F. L. Biddlecom, civil and mining
		Geo. E. Marsh, mining engineer Frank A. Maxwell, 400 Eighth st.,			епашеет.
		himing engineer.			G. E. Kedzie, maning engineer and state geologist.
		PORTER P. WHEATON, eivil engineer, U.S. deputy inneral surveyor, examines and reports upon innes.	Pueblo	Paeldo	George Mills, mining engineer. W. H. Aldridge, P. O. Box so, metal- lurgist and mining engineer.
Cohlen	Jell Tson	W. B. Müllik in, mining and metallius- gical engineer.			P. B. d · Schweimtz, 211 Broadway, mechanical engineer.
		M. T. Morrell, U. S. deputy minoral surveyor.		**	Albert I. Goodell, M. E., 720 Santa Fe av., assayer and chemist.
		School of Mines, Regis Chauvenet, pr. $^{\circ}$		**	VICTOR C. HILLS, 305-307 Central Blk., mining engineer, specialties, mining and hydraulic engineering.
Granite	Chalkee	B. STANLEY REVETT, M. E., gen, nigr. Twin Lakes Hydrantic Gold Mining Syndicate.			C. S. deputy inmeral surveyor.
Guston	Ouray	Herbert Warn's, mining engines and assay it.			E. P. Matthewson, 1301 E. Eighth st., mining engageer and metallurgist.
Idaho Spring	s Clem Creek	Walter H. Wiley, mining engineer.		**	H. O. Williams, 1963 Spruce st., chem- ist and metallurgist.
Ironton	Энгау	Gen W. Oafes, P. O. Box 13, mining engineer.		**	J. HOWARD WILSON, assayer and chemist, 356 Santa Te av., assays given and treatment of ores for
Leadville	Lalo	Max Boeliner, P. O. Box 765, numing engineer.	Hara	1. 1	n.shed.
		William Braden, 204 W. Pitth St., en-			Frenk D. Aller, mining engineer, metallurgist and chemist
		S. T. Britherton, P. O. Box 233, metal- lurgist	Robinson Romiley		Jesse F. Melbonald, naming engineer, A.41 Seek, mining engineer and metal- lurgist.
		Thomas Jay Cox, 13 Quiney Bik., I . 8 mineral surveyor.	San Bernardo	San Miguel	ARTHUR B. LITCHFIELD, mine manager and mining engineer images examined and reported on, eighteen years' experience, spe-
		Pranes 1. Freeland, P. O. Box ga- noning and mechanical engineer.			eighteen years' experience, spe- eighty, mine and mill management.
		Fdwin N. Hawkins, mining engineer and metallitrast.	San Lins	Costilla	Edmond t. Van Diest, mining and civil engineer.
		Charace Hersey, the F. Futh st., assayer and chemist.	Silver Chin	Custer	August Koppe, U. S. deputy mineral surveyor.

TOWS 18	D COLNIA	Nami	Town and	COUNTY	\ \ \ H \
Silver Clift. (Conti	Custer	CARL WULSTEN, P. O. Box 53, civil and mining engineer and assayer, manager bassick Contact MiningCo.	De Lamar	Owyhee	J. A. PACK, mining engineer, De Limit Mining Co., Ltd.
Silverton	San Juan	Thomas II. Kane, mining engageer.	Harley	Althras	F. C. MANDELL, mining and e vel engineer. United States deputy
	**	Edward G. Stoiber, P. O. Box 129, mining engageer Silver Lake Mines.	Horseshoe Ben		A. L. Ringarson, cavit and irrigation
Telluride .	San Miguel	George L. Andras, mill superintend ent Sheridan Mining Co.	Liberty .		engineer.  Ldwin N. Austin, U.S. deputy min-
11		F. J. Kramer, mining engagest.	Mountain, Hote	Ulmote	eral surveyor. Somiel G. Rhoades, L. Sodeputy
	**	Henry C Lay, civil and mining en- gineer			min ral surveyor.
		N' 1 1/2 (0121 / 1170)	Pend d'Ocerlie Rathdrum	Kootenaa	
	COX	NECTICUT	EURITHII	Keotema	A. D. Robinson, evil and mining en- ganger
New Haven	New Haven	William P. Blake, geologist, mineral ogist and mining engineer.	Salver City		Line du Taylor, surveyor,
**		A. J. Du Bois, professor eval engineering, Sheffield Securitie School.	Welline	Shoshone	toroge A. Irask, tedar st. U.S. deputy mineral surveyor
		H. S. Williams, professor of geology,			N. WITTNER, Box 222, mining or 2,00
		Yale College,	$W_{+} +  r_{1} $	$\boldsymbol{s}_{\text{total}}$	T. W. Dr. (163), M. L., assistant nogra- Bunk + H. Esullivan nunes.
DIST	rric"r	OF COLUMBIA			Votes W Clement, noting engineer
Washington	h (	DAVID T. DAY, geologi t in charge mining division, 1 8 Geological			and no tallingst  W. Clayton Miller, mining engageer, co-poly in negal surveyor.
		Strivey  Frederic P. Dewey, 6214 St. N.W., chemist and metallicust.		11.	1.1\018
		CEO. H. ELDRIDGE. 1 5 5 0	Mon	Via son	W. Roy Rutledge, map efor of mines.
		FRANCIS R. FAVA, Immar in	Alto P. ss	Upon	Lareth a Strict
		STORY B. LADD, minning charges			HENRY C. FREEMAN, eavil and to rade on the real control of the real metallules of the real metallules.
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		E. W. P. (160), 1600 I. St. N. W. Shatish cond. I. S. G. (160), (1.8) (v. v.			WM. H. VAN ARSDALE, N. I.,
		Chind A O Rosell of a Nucleat N.W., examined L.S. patent din	Blu Islan	4	H. L. BRIDGEMAN, L. M., supt.
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		,OR11) \	Che	A net	ASKEW & RUSSELL, P. O. Box
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		. Into position again			
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		W. S. WARNER, non-necessary at Llorate Phosphate (a., f.i.d.			Some R. Prowr, Ninety fourth and Programs Story, asst. Supt. National
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**		H. H. Brothers, 67 Gate City Not and E. Bortk, Building, exell, minimal or hydronic engineers.			So the december of Australia Schomes, constrons, W. Sanden, C. C. E. S. to W. J. Harton, in new 200 and Construction of Constant Published Schomes and Cons
	I	DAHO			GEORGE CUTTER, 20 Hin Room
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		W. H. Petral, I. S. surv. vot. gener			the form to halo state Weight and meaning and exploration in
Butto	Shoshon :	F. R. CULBERTSON, mining on			FRANK DRAKE, 4 Shormer st.
Clayton	(118)	H. M. Perse, manific superintension			The District Street Street Me

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Chicago, Contraucit,	tions	J. W. EDWARDS, 87 Washington St., 512, 533, 514 U.S. Express Bidg., maning engineer.	Petershurg	Menard	Frank V. Alkire, First and Market, mining and civil engineer.
	**	F. H. Poote, 5815 Madison av., supt. Illmoss Steel Co.'s turnaces.	South Chicago	Cook	Geo, T. Dougherty, Ninety-fourth st. and Lake Shore, chemist and as- sayer.
	••	CILBERT H. COODHUE, Room 1017 Chamber of Commerce Bldg., analyt- ical chemist and mining engineer.	**	**	F. B. F. Rhodes, M. E., Ninety-fourth st, and Lake Shore, metallurgist and superintendent.
		Fred A. Gritzner, 145 Loomis st., chemist, assayer and mining en-			Jasper Whiting, metallurgist.
		gmeer.	Springfield	Sangamon	John Keay, 1417 S. Grand av., mining engineer.
		ALFRED CUILLAUME, 215 Dear- lorn St. electrical and mining en- geneer, assayer and analytical eliemist, esceady, page 11.5		**	Joshua Lindahl, state geologist.
			44	**	A. 41. Worthen, director geological survey of Illinois.
		Victor C. Heikes, 4619 Ellis av., as- sayer and chemist.	Strentor	La Salle	E. A. Graves, M. E., 308 East Main'st.
		william HOSKINS, \$1.8. Clark st., assayer, analytical chemist, intime engineer. (See adv., page 11.)	Wilmington.	Will	A. A. CHARLTON, mining engineer.
		J. M. Howells, 471 La Salle st., hydraulic engineer.		LN	DIANA
	++	E. E. JOHNSON, C. E. and M. E., S. E. cor, Canal and Randolph 848., hydraulic and mechanical engineer.	Brazil	Clay	P. J. Mooney, mining engineer Brazil Block Coal Co.
		Karl L. Lehmann, 113 Adams st., civil engineer and architect.	**		Oliver Wilkins, to Meridian 8t., mining and civil engineer.
		John S. MacGinmss, 108 and 110 E. Randolph St., mining engineer.	Evansville .		Geo. Minto, civil and mining ongineer.  Jas. D. Saunders, Court-House Bldg.,  civil and mining engineer.
		MANNS & TATARIAN, assayers and mining experts. Laboratory and office 10c and 107, 163. Randolph	Indianapolis.	Marion	Manrice Thompson, state geologist.
		st. Mines examined and reports made for owners or purchasers; es-	Oakland City	Gibson	John R. Troutman, Lock Box 43, min- ing and mechanical engineer.
		timates to improvements.			LWA
		MARINER & HOSKINS, SLS, Clark st, assayers, chemists and billing englicers. (See adv., page 9.)	Des Moines	Polk	Thomas Binks, mine inspector, first district.
		MILTON MOSS, 4649 Ellis av., min- ing engineer, metallurgist., mines examined.			Floyd Davis, E. M., Ph. D., state chemist and mining engineer.
			.,	**	James Gildroy, mine inspector, second district.
		Nelson W. Perry, 820 Monadnock Bldg, electrical and min ng chameer. John N. Pott, 224 N. Umon 8t., civil and mining engineer.		**	Morgan G. Thomas, name inspector, third district.
		RATTLE, NYE& HOLLIS, 1232 The Rookery, analytical chemists and mining engineers calso Cleveland, O	Ottonwa	Wapello	J. T. Beard, P. O. Pox 318, mining and civil engineer.
		JOHN A.ROEBLING'S SONS CO., 171 Laike St., mining engineers		K	17878
		C. H. Rose, 1258. Sanganon St., min- ing engineer.	Argentine	Wyandotte	CURTIS ALEXANDER, mining engineer and metallurgist. Permanent address, Maryville, Nodaway
		Phank A. Ross, Fulton and Unionsts . mining engineer			Co., Mo.
		John K. Seibert, 1.9 Dearborn St., civil		**	John H. Allen, supt. Kansas City Smelting & Refining Co.
		and mining engineer.  Wm. L. Smith, 100 Washington st.,	Calena	Cherokee	John B. Hodgdon, Main 8t., Stone's Bidg., civil and mining engineer.
		exil engineer and contractor.  CEORCE W. STURTEVANT JR.,	Lyons	Rice	JESSE AINSWORTH, M. E., supt. Lyons Bock Salt Co.
		set thanner of conneces lide, sorthamner of conneces lide, evidand hydraulic engineer, special attention given to development of water powers for hydraulic mining.	Scanninon	Cherokee	John T. Stewart, state inspector of coal mines.
		e ty water supplies, etc.  Jacob I. Wainwright, P. O. Box 434, metallingical engineer.		KE	NTUCKY
		WALBURN-SWENSON CO., 1520 Moundhock Block, assay abota- tary for testing ofes (See adv., 16,20%)	Ashtand	.Doyd	$\mathbf{W}_{\mathrm{Uo}_{1}}\mathbf{H},$ Kemler, chemist Ashland Steel
			**		MEYER SCHAMBERC, analytical chemist and mining engineer.
101001	Hom	Thompson Hudson, inspector of names, second district.	central cay	Muhlenber	T. C. du Pont. M. F.
	St. C.L.	John G. Massie, inspector of mines, fifth district.	Franktort		( , J. Norwood, inspector of mines.
Proces	Proc.	James Preet, inspector of names, third district	Fr neliburg	Memitee	W. T. Dennis, M. E., Indian Creek Conf Mines.

## THE MINING DIRECTORY—ENGINEERS, ETC,

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Grand Rivers	Livingston	WM. B. PHILLIPS, metallurgist and mining engineer.	Boston Su	molk l	Henry J. Williams, 161 Tremont st., chemical engineer.
Middlesboro		J. C. McK. Richardson, mining engineer.	Dorchester Si	molk (	edward D. Peters Jr., Percival ax., mining engineer and metallingist, specially, copper.
	"	JOHN SANDERSON, analytical chemist and assayer.	Reading Widd	line is 1	W. H. Nash, maning engineer, as- sayer and metallingist.
		A. R. Strachan, mining engineer and metallurgist.			Sayer and mediunger.
Olympia	Bath	Winehester Diekerson, mining engi- neer.	:	MIC	THGAN
Owensboro.	. Daviess	Alsop & Graswold, Pourth and Fred- rica sts., evil and mining engineets	Ann Artior Weslite	epone 3	Wm. H. Petter, M. E., professor in University of Michigan.
Peach Orchard	I Lawrence	B. H. Chamberlayne, mining engi- neer.	Bay City		tohn Kanall, 822 Wilson 81, mining
Paieville	Bell	F. E. Jackson, civil engineer and surveyor.	Besseiner Go	gelge K	engineer. Sprence M. Boss, mining engineer.
Whitesville	Daviess	Charles Walkey, uniong enganeer and metalling st			district mine inspector.  Frederick N. Bosson, mining and electric, Lengueer.
	LO	USIANA			S. Barber, chemist, Champion
		LAFAVETTE B. GARROLL II	CIVSTAL L'EL'S	From a	Poreto. Islans Kellerschon, maring engancer
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		wire rope handage.	D from W		J. V. CAMPBELL & CO., 27 Larned d. W., mobing engineers
		F. Γ. Chaissen, U. S. mint, assivet. Chas. B. Wilson, U. S. surveyor 201		(	COURTIS & SMITH, 27 Larned st. With name and me o bargoal engine
Opelousas		George O. Flins, e vil enginee			reets tesse M. Smith, do Mothat Block, mechanical and coefficial engi-
	VI V.	RYLAND			need 0. Lorsey, o. W., shrington , v., hirming - eng mer
Baltimore	Ealtmore	William Gleim 1.48 Block st., maying engager and chemist	Horoldon Tor.	it in 1	I. W. Denton, M. I., professor of mining, Math and School of Mines.
		Milnot P. Pavet, 2004. Lexington sta- civit engineer.			CEORGE A. KOENIC, Ph. Digents of Morting to School of Almos prodess of of the mastry. Channel maner logical by min in four or dufflerons no sends will hands of analyses.
Longcoming	Allegany	Dunean Shear Chambag engineer			or of chemistry Chemical maner
Oakland	Garrett	${\bf R}, {\bf T}$ . Browning, state mine inspector			
Sparrows' Pon		David Baker, minnig*jingineer			12 of I. Sh. (ph/88). Muchigan School of Marcs, metalliague d'eliemist.
	"	Francis T. Peacock, P. O. Box 77, in- channeal engineer			M. I. W. devorth, state geologist and intector. Meliagan School of Marcs
••		Atmodd K. Reese, 408 East B st., in a ing engager)	$L(\sigma,Mo(\sigma)) \in L^{1/2}(\sigma)$	118 (1)	<ol> <li>E. Browster, no W. Brown St., analytical clients;</li> </ol>
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Boston	Suitofk	ARTHUR B. BROWNE, He Water st., tribitize effectives server serve			N. O. LAWTON, a result only Hotel of the Late of Petrol, and Gregoria of the Maries
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		WINTHROP W. FISK, B. S. 257 Wishington St. mining engineer and geologist Western office and			R. Ipa B. Green, Green St. Pinerst., and a vicinity of chemist.
		and geologist Western office and laboratory, Juneau, Alaska, Golo- proporties a specialty, mines ex- amined and reported on, adve-			S. A. Mintz, coo L. H., est., et alvi- io A. Aremist and associa-
		20ven on project development of nones and mach nerv needed.			d. mes. R. Thempson (423) Pare 80 . That his charge is
		A.W. & I. P. Locke, S. State storm and magnificers.	Letter Art 1		Cartas D. Las and other scores of majora statistics
		CHARLES O. PARSONS, 77 State St., maning engineer	Marson III M. 1		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
		Stephen P. Sharples, S. R., 13 Broad st., assayet, and analytical chemist			Richard A. Park a consulting manager in manager
		George F. Swain, care of Institute of Technology, c.y.Lenganeer.	No. a tree Mate		to a trade plant. Proce Book with medical and the second s

Town (8)	COLNE	NAME	TOWN AN	D COUNTY	NAME
Negamice . (Confin	Marguette med.)	Wm. E. Saunders, mining and civil engineer.	Chadwick .	.Christian	<b>EUGENE M. COLE, F. 33.</b> S., mining and mechanical engineer; consulting engineer Easley Mines, etc.
Ontoragon .	. Ontonnaon	Alex, P. Mo. ds, mining engineer and assayer.	Desloye .	.st. François	John M. Desloge, mining engineer,
Red Jacket	. Houghton	R. M. Edwards, mining engineer.	Jenerson Cit	y "Cole	James D. Robertson, E. M., assistant Missouri geological survey.
Sebewaing.	, Huron	Lewis Stockett, mining engin er.		**	Arthur Winslow, State Capitol, state geologist of Missouri.
	MIN	INESOTA		**	C. C. Woodson, state mine inspector.
Duluth	St. Lonis	H. B. Crowl, 631 Chamber of Com-	Jophn	t: sper	W. P. Cleveland, A. C., cor. Fourth and Jophin sts., chemist.
		merce Bldg., chemist and assayer.  CHARLES F. HOWE, consulting and	**	**	A. F. Downan, Herald Blk., C. E.
		mining engineer. Office and labora- tory, Chamber of Commerce, Di- huti, Minn. References, D. H. Ba- con, prest, Minnesota Iron Co., Clu-	**		F. C. FLORANCE, 408 Joplin St., mining engineer.
		eon, prest. Minnesota Fron Co., Chreago, Ill., Joseph S. Fay pr., prest. Lake Superior Iron Co., Boston, Mass., Marune National Bank, Dubith, Mann.	<b>"</b> .		ERIC HEDBURG, Box 50t, practical engineer, imining, incertainte, elec- tric; plans and erection of mining plants; distance transmission; proj- erties examined and reported on.
		T. L. LAMMERS, 431 Chamber of Commerce, analytical and consult- ing chemist, ores sampled and as- sayed, mining properties examined	**	. "	J. R. HOLIBAUCH, 310 Moffet av., mining engineer; complete maps of the Jophin mining district.
		and reported on.	**	**	JAMES P. MEAD, mining engineer.
		W. C. LA RUE, M. E., 307 Burrows Bldg., mining and gamster querry- ing.	Maryville.	zodaw.iy	CURTIS ALEXANDER, mining engineer and metallurgist. (See also Argentine, Kain.)
	**	FRANK TEDFORD, 610 Lyceum Bldg., mining engineer.	Mendota Mare la Moit		Bernard H. Johnston, M. E. J. T. Monell, metallurgist to Mine la
Mernitt	St. Louis	E. J. Longyent, explorer and M. E.			Motte.
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		S. E., professor of mining and met- allingy in the College of Engineer- ing, Metallingy and the Mechanic Arts.			Thos. L. Rubey, seey,
		James A. Dodge, 813 Pitth 8t. S. E.,	St. Louis	St. Louis	JOSEPH P. CAZZAN, P. O. Box 605, mining engineer and metallur- gist.
		professor of chemistry in State University.			H. Aug. Humcke, 1219 Mississippi av., mining engineer and chemist.
		Christopher W. Hall, 803 University av. 8., dean college of Engineering and Metallingy.			Plulip N. Moore, 55 Laclede Bldg., geologist and mining engineer.
	••	HORACE V. WINCHELL, 1996 S. E. Seventh st., geologist, elienist and mining expert.			J. W. NIER, M. E., Room 3 Equitable Bldg., engineer and designer of mill- ing and mining plants.
		N. H. Wmchell, state geologist.			Hiram Phillips, sto Olive st., consult- ing civil and mining engineer.
St Paul	Ranisey	C. BRINCKERHOFF, 342 Cedar St. evil and mining engineer.			W. B. Potter, 1225 and 1227 Spruce St., mining engineer and metallurgist.
	**	$\bar{\rm James}$ compten, U. 8, surveyor-gen,			OTTO RISSMAN, 1225 Sprince st., mining engineer St. Louis Sam- pling & Testing Works.
	**	N. LEHMEN, Ph. D., 133 E. Fifth st., analytical and technical chemist.			Athert F. Schneider, 3883 Washington
West Diduth	St. Louis	envil engineer, city engineer West- buluth, opportunities for invest-			av., eivil and mining engineer, metallurgist.  Thos. R. Stockett jr., Fourth and Olivests., mining engineer.
	\115	ments in mining and timber lands.			Onvests, infining engineer.  HERBERT STRICKLAND, 1321 Gar- rison av., consulting infining en- gineer and metallirgist.
Vicksbirg	.Warren	R. S. Buck p., exil and mining engineer.			ARTHUR THACHER, 1227 Springer st., imming engineer and metallurgist.
					B. B. THAYER, care E. M. Tesson, West Forest Park, mining engineer.
	711	SSOURI			11. A. Wheeler, Washington Univer- sity, consulting mining engineer.
Amora	Lawrence	E. J. Slattery, engineer of Bonanza mines.	Webberty	Jasper	O. Rees, eavil engineer and name surveyor.
Bonne Terre	St. François	C. B. Parsons, mining engineer.		3.17	\N''(P \ N' \
		Gust Setz, mining engineer.		NIC	)NTANA
Carterville	Jasper	T. J. Shelton, W. Main St., mining engineer.	Boulder		A. P. Smith, mining engineer.
Carthage	Jasper	W. H. Seamon, Regan pl., mining engineer.	Bozeman	Gallatin	C. M. Thorpe, C. E., City Hall, U. S. deputy numeral surveyor.

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Butte. Silver Box	v Baker & Harper, e.vd and mining engageers.	Helena, Lewis and Clark Continued,	derry Kungman, 14% 8, Main 8t., channel and assayer,	
	F. W. Blackford, City Hall, mining and evidenginess.		Arthur G. Lombard, C. E., 43 Montana National B. uk. Bldg., U. S. dep- uty mit. (all surveyor)	
	<ul> <li>Robert G. Brown, S. W. cor. Broad- way and Main St., mining engineer.</li> </ul>		W T MENDENHALL BURNING	
	Baron R. de Batz, mining engineer,		on turn is throughout the west, and stimules turnshed with promut-	
	B. C. W. EVANS, 16 N. Main St., matring engineer		and the strength of the streng	
	C. W. GOODALE, BURBLE engancer.		ico. Com spondence solarited.	
	F. AUG. HEINZE, M. E., P. O. Box 48s, mar. Montana Ore Purchasing Co., and of the Laquidato con- centrating and Sampling Works Co.		<ul> <li>V. Neutsthedder, mining and cavil- uganes.</li> <li>John N. O'Brien, 110 Grand 8t., min-</li> </ul>	
	Homanii A. Keller, P. O. Box 2 o. mining engineer		ing engineer.  Reeder & Helmick, Pittsburg Block.	
	Wm. H. Keller, P. O. Rox 255, maning ugin er.		civil and mining engineers	
	Albert B. Kinglit, P. O. Box 2(1, 1) S. deputy mineral surveyor.		Cank L Sizer, Allas Block, mining end aydraulic engines i	
	G. A. Komberg, 20 W. Grant's St., evid infiming engineer		C. C. SWALLOW, M. L., 1973. Main St., names reported and negotiated. State finite drop closs, and twenty- orns, yerss' experience in names of Montal at	
	JAMES MACFARLANE, Ameen I may effect, eAst and minary agri- neer, clocking meet Ameenda Min		A. B. Wood, mining engageer	
	mg Co.	$1, v \in \operatorname{stan} (-1) \setminus \{1, 1\}$	Harvey J. Glenn, Yellowstone, assiyer an Lebennist	
	JOHN B. STEICER, M. 1., 1. S.		Charles Euppoin, U.S. d. puly noneral S. et Aug	
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	F. W. Tr. phys. n. Ph. D. P. C. S. Montana School of Mines, againsticat		4 tonk Rong dong, P. O. Box, ast, man- ng, figure of	
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the state of the s	FRANK KLEPETKO, metallingss and maining nature staff taking Edis Works and of Isoton A Mon- land Copsolided Copper A Savet Waining Co.	A ser	T. H. CEORGE 1. 8, deputy more of survive profite from maying near Moreon and the particle on the conflict of Moreon and the Moreon and the Moreon and the survive survive of the Moreon and the survive survive and the survive survive survive and the survive survi	
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	Report on times for London or America.  MILES J. CAVANAUCH, Room of Easter Block, mining engageer.	Love ooks Humbolat	H. H. HUTCHINS, and visual chemists and limited, and first in metal to operforcement of the construction o	
	MICHAEL COONEY, P. O. Box 265, milling engineer.		refining, automore a great life cur- guieer and market Solber and Anti- mony Man Solad Research on Worlds.	
	Geo, O. Eaton, U.S. surveyor general		I by socks, Nev II L. Godber metalling isterned assayer, c	
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TOWN AND COUNTY NAME TOWN AND COUNTY NAME

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Part Valle		IAMPSIIIRE	Mogollon	Sucorpo	P. KIRKECAN, mining and mechanical engineer: specialty, in ining and reduction low grade gold, silver and theores.
East Notting	Rockingham	Samuel L. Hills, mining engineer.	Organ	Dona Ana	B. A. Hoopes, assayer and miner.
Exeter	Bockingham	H. C. Spandding, P.O. Box 694, electric mining engineer.	Santa Fe		Rev. Bro. Amian, F. S. C., St. Michael's College, chemist, mineralogist, ter- ritorial geologist.
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		Oberhi Smith, mining engineer.		**	WM. H. NEWCOMB, minms engi-
"Lachwe Crantord		Wm. C. Clarke, mining engineer, min- eralogist, assayer and surveyor.	••		RICARD L. POWEL, M. E., U. 8. deputy mineral surveyor; mineral
Danter	Morris	Frederick A. Camfield, Blackwell St., maning engineer.	Socorro,	Socoppo	properties for sale.  Leonard M. Brown, mining engineer, U. S. surveyor.
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		hirgist.		NE	K, EOBR
		Thomas B. Stillman, Ph. D., T. C. S., Stevens Institute of Technology, assayer and analytical chemist.	Albany	- APrins	James T. Gardiner, 1 Elk st., mmm.
Jersey City	Hudson	Otto F. Pfordfe, aos Sherman av., mining engineer and metallurgist.			engmeer.  Martin L. Griffin, 18/8. Hawk st.,
Kenvij	. Morris	W. S. AYRES, civil and numme engi-			analytical chemist and engineer.
		neer, formerly supt of mines for the Musconeteong Iron Works, ex- aminations, reports and estimates			Prof. James Hall, state geologist. John C. Smock, department of miner-
		of cost made.			alogy and economic geology.
Xewark. 	_Essex	<ul> <li>Geo, C. Stone, N. J. Zine &amp; Iron Co., mining engineer.</li> <li>W. J. B. WALKER, care Parbook S. &amp; K. Co., mining engineer.</li> </ul>	Brooklyn.	Kings	E. S. CODFREY, C. E., 974 Bergen st., mine surveys, maps, mining ma- chinery, drawings, estimates, super- intendence, experimental mining machinery.
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Irenton	Mercer	C. W. Coman, assistant geologist, geological survey.			chemist.
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		W. O. Seesir, eivil and mining engi-			organics that, A.C., chemical engineers, analytical and consulting chemists; mining properties that
Cerrillos	.Santa Pe	John Crosby, mining engineer			chemists; mining properties thoroughly prospected, analyses and advisory reports reinfered. Labora- tory 31-34 Lewis Block. Buffalo,
Chlorate	Sietra	$L_{\rm t}/L_{\rm t}$ Otto, $\Gamma_{\rm t}/S_{\rm t}$ deputy mineral surveyor	Corning	.Stenben	Stephen T. Hoyt jr., exid and mining engineer.
		JAMES P. BLAINE, mining engi-	Mineville	Essex	C. H. Cady, mining engineer.
Gold Hill	Grant	JAMES B. CRECORY, mining engi-	New York	New York	Henry A. Bang, 1214 Broadway, me- chanical engineer.
Lake Vidle	Serri	Fllis Clark, mining engineer and metallurgist.		**	Alfred J. Beebe, 42 Bleecket St., chemist New York (leafth Depart-
Lordsburg	Ge.mf	J. W. Hamilton, mining engineer.			ment.

To	WN AND COLS	11	NAME	TOWN AND C	OUNTY	N 1 M 1
New	YorkNew (Continued.)	York	W. DE L. BENEDICT, Is Broadway, consulting mining engineer and metallirgist; specialties, tin and phosphate mines.	New York	Kew York	Axel Sahlin, 1 Broadway, mining engineer. E. J. Schmitz, 164 E. Eightieth St.
			Joseph R. Bien, 140 and 142 Sixth av.,			numing engineer and metallurgist.
			ervil and topographic engineer.  Robert E. Booraem, 74 Broadway.			D. McN. STAUFFER, Tribune Bldg., mining engineer.
			mining engineer.  Watter S. Church, 140 Nassan St., con- sulting mining engineer.			doseph Struthers, Columbia College, chemistry, metallurgy and miner- alogy.
			Frederick G. Corning, 15 Broad st., mining engineer and metallurgist.			Wm. Van Slooten, C. E., 74 Wall St., mining engineer and metallurgist.
4.5			J. James R. Croes, 13 William St.,			LEO VON ROSENBERC, 35 Broad- way, mining engineer.
			consulting engineer.			Walter H. Weed, 50 Pine St., mining engineer
			Conrtenay be Kalb, ts Broadway, Room ste, maning engineer and metallurgist.			Woodbridge & Turner Engineering Co., Times Bldg., 4t Park row,
		**	Algerbon Del Mar, 703 E. One Hun- dred and Forty first st., mining en- gineer, assayer and surveyor.			erectricat and mechanicat engineers.
4.4			WM. P. DEWEY, 180 Fifth av., maning engineer			Arthur F. Wondt, 127 E. Ninety-first st., uniting engineer and metal- lurgist.
.,			P. P. Dickinson, 45 Broadway, civil			Young & Park, 2 Wall st., mechanical and maning engineers
			THOS. ECLESTON. Ph. D., cor.	Nagata Palis	Nat201a	Wm. 8 Humbert, E. M., P. O Box 296, etvil and mining engineer,
			THOS. ECLESTON, Ph. b., cor. Forty-minth and Fourth av., pro- lessor of immeralogy and metal- lurgy, school of Mines, Colombia College, consulting mining engageer	Pellenn Manor Wee	stela ster	Win A. Smith, mining engineer, fecturer on mining, Columbia Col- lege,
			Geo. L. English & Co., 73 Broadway.	Port Henry	Essex	N.M. Langdon, N. Main St., mining and mechanical engineer.
			mineralogists. T. Graham Gribble, 76 Broad st., e.vil,	Poughkeepsie	Duchess	A. E. TOWER & BRO., mining
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			consulting mining engineer  F. R. Hutton, Ph. D. 42 West Th ety	Rome	Eltre dat	The Stanwix Engagering Co., mining and hydraulic engineers.
			thist st., mechanical engineer and expert.	Springuev the St I		CRECORY P. HARTE, W. L. mgr. Rosso Iron Works
			<ul> <li>W. Kempton, 6t Broadway, mining engineer</li> </ul>	Syracuse D	nondaga	W. B. Cogswell, noning engineer
			William Kent, 425 Times Rhig, me- chanical and metallurgical engineer			ENCINEERING EMPLOYMENT BUREAU, stranger block, supply- ing employers with engineers, sup-
			Geo. F. Kunz, M. F., 11 15 I men. Squate, gem expert and gem man- mg.			of intendents, chemists and drafts men tree of charge,
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			E. A. LEWALD, 60 Wall St., end- and maning engineer examina- tions, reports and management of			1 tancis N Holbrook, mining engineer.
			mines	Troy B		Charles McCreery, insuing enganeer John M. Sherrerd, the First st., metal-
**			Orleans Longaere, Twenty sixth st and Eleventh av., maning and con- tracting engineer.			, at a strand analytical chemist
			CEO. W. MAYNARD, 75 Cedar St., humang and metalling acal engineer			Fireque A. Fouceda, Troy Sheet & Tron Co., e. vil engancer and chemist.
			Spencer Millet, 96 Liberty st., min- nig engineer	Watsart V	Commis	Cassais C. Peck, mining engineer
			Dr. Gideon L. Moore, 221 Pearl st., analytical chemist and assayer	\(\cdot\)	RTH	CAROLINA
			Eben F. Olcott, is Broadway, maning engineer and metallurgist.	Brindletown	Banke	Frank W. Boyd, min no cho need
			H. Hobart Porter ir., 120 Broadway, infining and mechanical engineer.	Chapel Hilt	Otange	HENRY B. C. NITZE, assistant state- geologist, North Circlina
			R. W. RAYMOND, Ph. D. M. E., ta Burling slip, secretary American In-			ta o B. Hanna, geologist and march dogist, geological survey
			Stitute of Wining Engineers  Josse W. Reno, Mills Bldg., noning			Prof. J. A. Holmes, acting state, goodoglst.
			engineer and metallurgist.  RICKETTS & BANKS M. E. 104 John St., mill tests, sampling, assays	Charlotte Meck	lenburg	<ul> <li>Ad Mezzer, M. L., P. O. Box 147, in ung and metallity callenging the</li> </ul>
			and analyses (Secady), page 11 (			United States Assay Other, assayets and not gallegists
			RICHARD P. ROTHWELL, C. E., M. E., 27 Park pl., editor of The Engineering and Mining Journal			John Wilkes, managengancer

Town and	Corxey	NAME	Town and	COUNTY	NAME
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Gold Hill .	Rowan	engineer.  RICHARD EAMES JR., mining engineer and assaver. Experience in	.,	**	RATTLE, NYE & HOLLIS, 807 Western Reserve Bldg., analytical chemists and mining engineers. (Also Chicago, 4ll.)
		California, Colorado, India, Honduras.	16	. "	Wm. J. Rattle, 455 St. Clair st., min- ing engineer and analytical chemist.
Salisbury	Rowan	FRANK R. WILLIAMS, mining engineer; examines and reports.			Robert M. Haseltine, chief state in- spector of names.
-		J. T. WYATT, 140 Main st., mining engineer, gold-grinders, portable mills, rubble-stone, earling, granite, also Belgian blocks.	Columbus	Franklin	Edward Orton, 100 Twentieth st., mining engineer.
South Toc	Vancey	Jasper Autrey, surveyor; mines and mining.	Congo Glen Roy	. Pickaway Jackson	FRANK A. RAY, mining engineer.  Andrew Roy & Son, mining geologists
Wilmington, N	ew Hanover	H. A. Whiting, mining engineer.	Massillon		and engineers.  E. D.Wileman, M. E., Warwick Block.
	NORT	н ракота			mme engineering and surveying.
			New Philadelp	Tuscarawas	Wm. B. Hanlon, civil and mining en- gineer.
Grand Forks		E. J. Babcock, department chemistry and mineralogy University of North Dakota.	Sejo	. Harrison	William Hibbs, Main st., mining, civil and topographical engineer.
		$\Theta\Pi\Theta$	Shawner	Allen	FRANK A. RAY, mining and civil engineer.
Akron	Summit	STEPHEN H. PITKIN, 104 Park st., gen. mgr. Webster, Camp & Lane	Steilbenville	Jefferson	Joe M. Wilson, 224 N. Fourth av., chemist and metallurgist.
		Co.	Stewartville.	Belmont	Isaiah Nichol, surveyor, civil and mining engineer.
Armstrongs M Buchtel		Frank B. Armstrong, surveyor.  CHARLES C. SHARP, civil and mining engineer, clief engineer Commiss & Hocking Coal & Fron Co.	Youngstown	Mahoning	E. D. Haseltine, E. Wilson av., civil and mining engineer.
Cambridge	Guernsey	Wm, J. Hester 132 N. Sixth st., mai-		()	REGON
		ing engineer. C. W. H. Krerkenbaum, mining engi-	Hannes	Baker	J. J. Paylor, mining engineer,
		neer and superintendent.	La Grande	Union	Arthur Philbrick, C. E., Slater Block, U. S. Deputy mineral surveyor,
Canal Dover Carbon Hill		A. L. Morris, mining engineer.  Eph. Shaw, civil, mining and me-	Willers		E. T. T. Fisher, M. E., U. S. deputy mineral surveyor.
Cmemnati .		channeal engineer. G. Bonscaren, 29 W. Fourth St., con-	Pendleton	Umatilla	John W. Kimbrell, M. E., 5 Savings Bank Bldg., U. S. deputy mineral surveyor.
		sulting engineer. THOMAS J. CREACHEAD, 296	Portland.	Muitnomah	W,H,Byars,U,S,surveyor-general.
		Plum 8t., mining and electrical en- gineer.		**	Wm. H. Hampton, metallurgical chemist and mining engineer.
		das, R. Maxwell, M. E., 75 E. Front- st., consulting engineer.	Prairie City		J. W. Mack, M. E., U. S. deputy min- eral surveyor.
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	**	Robert N. Dickman, 18 Johnson St., chemist and mining engineer.			Joseph Hunt, cor. Third and Walnut sts., mining engineer.
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	44	(818) John W., Langley, Ph. D., care of Case School of Applied Science, electri- cal and metallurgical engineer.		.,	sixth anthracite district,  Henry L. Manley, t50 Centre 8t., min- ing engineer.
				**	Samuel M. Riley, civil and mining
		HENRY M. MORRISON, M. E., Sims Bidg., rope handage, wire rope.			engineer.

Town and Count	× × × × × × × × × × × × × × × × × × ×	TOWN AND COUNTY	NAME
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	oga James N. Patterson, inspector of		Edward B. Harden, 424 N. Thirty-third st., geologist and mining engineer.
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	non-John D. Hagerty, mining engineer.		Ambrose E (Lehman, 7tt Walnut st., mining, civil engineer and geologist.
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Eric	Gree W. S. CRESLEY, Shift S.L., Soul'S. Block, mining compact, specially, cool influes advises on improved methods of maning, "Longwidt specialist, Twenty three-years' prac- tical experience in 1. S and other Britain. Holds state man mani- ger's or threate of competency		engineer, geologist and topographer PENROSE & BARRINGER, Bullitt Bildge, 131 Hr. Fourth St., geologists, and mining experts. B. A. F. Penrose and Damiel M. Barringer. R. A. F. PENROSE JR., Ph. D. Lett Spring st. Introngengineer and
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	given to reports on cont properties, rue 4. O Emmerich, civil and manu-		ogist and metallurgist.  Frank C Roberts, 328 Chestunt st.
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	A. S. VAN WINKLE, managengeneral meet, share Bees and White tool to		
Horatio slette	son Thomas Pisher, M. I.		WALTER M. STEIN, 2-Walnutst., p. d. hoga denganeer,
Houtzdah Clear	eld Austin King, aspector of mans- eighth bituminous district.		John A. Wilson, Drexel Bldg., exal- engineer
Huntaradon Huntina	for W. A. P. Wilson, 45 Wash agroupst , eavil and maning channels		H. H. Vard, 415 Drevel Bldg., noning engager)
Idliewood Allegh	env. James 12a k, inspector of in nest sev- enth bifuminous district.	Playson Cole	P. I. World scloptic Gray Bld_ imming engine.
Itwin - Westmore	and Wm. Jenkins, inspector of names second but in nons district	Patts (a_l) Alb _l (	C. BRINKERHOFF, 4° Cedar St Thorage C. med
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	Marshall G. Moore, 44 Moors standing chapters.		(c) mit its of, and of Lewis Block, cons its a mechanical engineer.
	<ul> <li>George P.—Phackeray Cambra Clabers with mechanical and metalling call angines.</li> </ul>		R Shart D Herfrick, 13 Water st., etch and himme engineer
	* Frank Williams, 22t Main st., io non- engancer, and metalling ist		HUNT & CLAPP, the Water St., S. O. L. of the trained en L. O. S. O. Charles, agents Spec- Cl. Shaddles Cheffinderick Carles and Company of the Company of the Company of the Company of the Company of th
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	ord P. E. Alden, civil and mining engancer.		the the art
	reld Geo, M. H. Good, Burning engineer.		George Princis Macis (Pean Bldg ) electron in a 22 cm, near
rmustetpita Fiilladel	dua Ames P. Brown, E. M., care of Uni- versity of Pennsylvania, instructor in maneralogy and metallicity		S. D. OLIPHANT, IT I'M A.

Town AND Co	1.513	NAME	Town AND	COLVIA	NAME
Pittsburgh . A	Hegheny .)	PITTSBURCH TESTING LABORATORY, He Water St., inspecting and inetallingual engineers and	Uniontown	Fayette	Wm. Dimean, inspector of mines, fifth bituminous district.
		clienists.  ROBINSON & ORR, 419 Wood st.,	Wayne	Delaware	H. BIRKINBINE, hydraulic and mechanical engineer.
		numing engineers.	Wellshoto	Troga	Anton Hardt, mining engineer.
		M. V. SMITH, Tomes Bldg., Room 706, metallurgical engineer and con- tractor.	Wilkes Barre	. Luzerne	James H. Bowden, 37 Park av., min- ing engineer, anthracite expert.
	**	8, Stutz, 706-740 Penm av., mining and mechanical engineer.			W. J. RICHARDS, 98 Public Square, mining engineer Lehigh & Wilkes Barre Coal Co.
		Selwyn M. Taylor, Room 420 Bissell Block, mining engineer.		**	G. M. Williams, inspector of mines, third anthraeite district.
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		J. S. Robeson, metallurgist.		BHOT	E ISLAND
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Scranton Lack	sawanna	James Archbald jr., mining engi- neer,			-
.,		Geo. F. Barnard, 923 Mulberry St., mining and mechanical engineer.		SOUT	н ракота
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		gineer.  RUFUS J. FOSTER, mining engineer; editor Collery Engineer.	Deadwood	Lawrence	enganeer. United States deputy mineral surveyor for South Dakota
		WILLIAM CRIFFITH, Room 16 to al Exchange, civil and mining		**	and Wyoming, P. Danekwardt, metallurgical chemist.
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		mining engineer.  Jeremiah J. Phillips, 205 S. Main av., eavil engineer and surveyor.			Geo. H. Sharpe, civil and mining engineer.
• •		Francis A. Pocock, Wyoning av., mining and electrical engineer.			WAITE & ANKENY, mming engineers.
		C. H. SCHARAR, 2073 North Main av., civil and naturing engineer, mining engineer belaware & Hud-			Thomas 41. White, mining engineer, surveyor, inspector, contractor.
		Son Canar Co.			A. D. Wilson, Ph. D., civil and mining engineer.
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Sharpsville	Mercer	mining engineer. Walter A. Barrows, analytical chem-	Lead .	Lawrence	Titus E. Corkhill, state inspector of mines.
Shenandoah S	selmylkill	<ul> <li>Wm. Stein, inspector of mines, fifth anthracite district.</li> </ul>		**	Burdett Moody, M. E., engineer Homesstake Mining Company.
Slatington	Lehigh	Robert G. Davies, mining engineer.	Rapid City	Pennington	SAMUEL SCOTT, mining engineer,
South Bethlehem Nort (See also Bethl	hampton	W. 41, Jaques, W. E., Fountain Hill, ordnance and consulting engineer.			mining investments, mines exam- ined, advice given.  MYRON WILLSIE, civil and mining
		W. S. Maharg, 16 W. Fourth St.,	Same Call	Manadada	engtheer.
		chemist and assayer.  M. D. Sohon, Lehigh University, analytical and consulting chemist.	Sionx Falls		D. C. Rice, 219 S. Duluth av., civil engineer. Monroe Warner, C. E., U. S. deputy
		H. H. Stock, instructor in mining and	Sisseton		nimeral surveyor.
Steelton	Damoles	geology, Lehigh University.	Vermillion	Clay	Carl Gunderson, C. E., U. S. deputy mineral surveyor.
escului.	. с-априя	EDWARD E. KNAPP, M. E., asst. supt. blast turnace department, Pennsylvama Steel Co.		**	Elbert D. Hawkins, C. E., U. S. deputy- mineral surveyor.
Swedeland , Mo	ntgomery	Jacob Lychenhenn, M. E., analytical chemist.	Watertown.	Codington	Geo. W. Carpenter, cor. Spruce and Huron 8ts., surveyor and engineer.

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#### TOWN AND COUNTY

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Chattanooga	Hamilton	CUILD & WHITE, 20, 21 and 22 Key- stone Block, minor consensus, and	Provo .	.l tah	H. H. Hendershot, Excelsior Block, mining engineer and assayer.
	**	stone Block, mining engageers and analytical chemists.	St. George	Wash ugton	Isaac C. MacFarland, civil engineer and surveyor.
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Harriman		Lons E. Bryant, maning engineer.			engineers. J. W. Currie, 150 Main St., assayer.
dellico	, Campbell	DAVID C. BARKER, mining and consulting manner. Experience in England, south Wales, South Africa and United States. Diplomas of honor.			Ellsworth Dagget, U. S. surveyor- ceneral, mining engineer and metal- neg st
Knoxville		J. W. Sbeum, 152 Gay St., analytical elem stand assayet.			Wythe Denby, M. E., Rooms 406 and 407 Progress Bldg., J., S. deputy in netal surveyor.
Nashy.lle	Davidson	Wm. L. Dudley, M. L. carte of Vander bill University, professor of chem- istry.			M. S. HANAUR, 131 S. Main St., 685(CC) pd chemist.  V.P. Hansen, Room 517 P. O. Block,
		Geo, W. Ford, inspector of mines and commessioner of labor.			A Jessen, 558 F. Fourth Temple St.,
		OLIN H. LANDRETH, M. E. Van de full University, consulting en guert, water works, water power			e vit and mining engineer. Jones & Jacobs, 47 Main 81., mechan-
		giver, water works, water power reclamation, irrigation, drawage			real and contracting engineers
		Wm. T. Magrider, Vanderbat Un- versity, professor medianical cu- gine craig, technical expect			C. LAVACNINO, 76 W Second Socialst Beens O and 20, mining and consecut, engineer Cable offless Lava unto, Saft Like
South Pittsbi	r - Marion	$\Gamma_{*}/P_{*}/C\ln r$ , each and neutral simple support			Single I. Marca of 115 Main Starwall on a new targette for all survivors.
Whetwell	$M_{\rm st,10B}$	Japa s $A$ . Ognis o canona para en puede			J. McVICKER, P. O. Box 1014.
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$\Delta us^i$ n	Davis	1 1 16 + 810 - 9 - 81			RICHARD H. TERHUNE, 117 W
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Tows ASD	COLVIA	NAME	Town Ant	COLNTY	NAME.
Roanoke . Contin	Rosmoke	EDMUND C. PECHIN. M. E., will	Rush Run	Fayette	Horace D. Gast, mining engineer.
· ·	Hett.)	report on iron properties.  Osear Saabye, Campbell st., opp. post- office, consulting civil engineer.	Wellsburg	Prooke	Millard E. Boyd, cor. Commerce and Liberty sts., mining and civil engi- neer.
Stanleyton	Page	C. B. Foote, mining engineer.	Wheeling	Olijo	
	WAS	HINGTON		\\`1s	SCONSIN
Anacortes	Skagit	Amos Bowman, cor. Fifth av., geolo-	Beloit		
Colfax	Whitman	gist, transportation, coal and power. E. H. Hendsch, mining and mechan-	Pistoff	ROCK	ERASTUS C. SMITH, Ph. D., Be- loit College, chemical laboratory analytical and consulting chemist.
Colville	.Stevens	ical engineer.  J. C. Cobaugh, assayer, and mineral-	Florence	- Florene	C. S. Simpson, civil and mining engi- neer.
Durham.	Kmg	Ogist.  POBERT YOUNG, civil and mining	Hurley	Ashland	CEO. H. ABEEL, M. E., iron mines and blast turnaces.
	7,1115	ROBERT YOUNC, civil and mining engineer, specialist on from coal, fireday, firebrucks for intense heats, coal washing, coke, coke making and	Livingston .	Grant	John Green, mining engineer.
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New Whatcon		R. E. Helms, mining engineer, M. Muir Picken, P. O. Box 781, U. S.	Milwaukoo	Milwankee	Davenport Fisher, 334 Broadway, analytical chemist.
Olympia	Flurston	deputy numeral surveyor.  Amos F. Shaw, U.S.surveyor-general.	**	**	A. S. Mitchell, 436 Miiwankee st. chemist and assayer.
Ruby	Okanogan	LUTHER WAGONER, M. E., manager Washington Reduction Co.			Theo, W. Robinson, care of Illinois Steel Co., mining engineer.
Seattle.	King	t. E. Bogardus, 60 t olumbia st., as- sayer and chemist.		**	Harry E. Smith, 133 Twenty-sixth st. chief chemist C., M. & St. P. Ry.
**	••	ANDREW F. BURLEICH, mining	Trempesteau	Frempealeau	G. H. Squires, geologist.
		Alexander M. Reynolds, M. E., 63 Squire-Latimer Blk., min, surveyor,		11. 3	COMING
Sedro	Skagit		Cheyenne	Laramie	Wm, A. Richards, U. S. surveyor-gen.
Snohomish	Snohomish	Elmer Lenfest, C. E. U. S. deputy mineral surveyor.	Lander Red Bank	Fremont Big Horn	J. E. Hill, U. S. deputy min, surveyor, A. L. Coleman, U. S. deputy minera
Spokane	.Spokane	B. C. Riblet, Rooms 2a and 24 Eagle Blk., U. S. deputymineral surveyor.	Rock Springs		surveyor.  M. S. Knight, civil and mining enga-
**		LEONARD SIVYER, mining engineer, mine owner, operator, care-			neer. FRANK A. MANLEY, mining engi-
		tally teports on mines anywhere.  Charles Trumbull, mining engineer.	Welcome	( rook	R. G. Anderson, civil and mining en
Tacoma	Pierce	WILLIAM PREDEMEVED Ph h	vi elemine	v ronk	gilicor.
		1011 A st., Lawrence Bik., Rooms 3, 4 and 5, mining engineer, assayer, U.S. mineral surveyor. Thirty-four years' experience in Europe. Asia	131	31T1S1	I COLUMBIA
		and America.	Golden. Valea	nd Kootenay	FOWLER & FISHBURN, mining engineers and metallurgists.
		DR. WILLIS E. EVERETT, 1318 E. st. South, mining geologist, assayer and mining lawyer.	Kootenay Nananno.	Vale Vancouvet	Arthur W. Jenks, mining engineer. Archibald Dack, M. E., inspector coal mines British Columbia.
	WEST	VIRGINIA			<ul> <li>coal mines British Columbia.</li> <li>Joseph Hardy, Rosewell Cottage mining engineer and expert.</li> </ul>
Charleston	Kanawha	ALBERT M. CAMPBELL, Charles- ton National Bank Bidg, civil and mining engineer, the opening of coal, iron and gold mines a specialty.			E. Priest, Stewart av., C. E., provin- eral land and male surveyor
		muring engineer, the opening of coal, iron and gold mines a specialty.	Vancouver		John Robson, provincial secretary,
Clarksburg	Harrison	G. B. Chorpening, civil and mining engineer.	Victoria	Westminster Vactoria	Herbert Carmichael, government and
Dego	Kanawha	OSCAR A. VEAZEY, civil and min- ing engineer	1 11 (1-11)		lyst and assayer.
Dunlow	Wayne	THOMAS NICHOL, mine supt. and mining engineer		GEXV I	BRUNSWICK
Elk Garden		Henry Cumingham, nine inspector.	Fredericton	York	L. J. Tweedie, surveyor general.
Elkhorn	Methowell	engaleers	St. John	.St. John	Altred Markham, Sun Bldg., mining engineer and mineral expert.
Fattment	Marion	Engene B. Witson, maning engineer. J. Perry Thompson, Main st., civil		NOV	A SCOTIA
Moundsville	Marshall	and mining engineer.  J. F. Burley & Bro., La Favette av.,	Earling		
Powellion	Eavette	civil and mining engineers.  C. Schalz, mining engineer and sur-	Ferrona Halitax		R. E. Chambers, mining engineer. John E. Hardman, 129 Holls st., min-
2	1 1131 1111	VeVol			ing and consulting engineer.

TOWN AND COLNTY OR STATE		NAME.	TOWN AND STATE OR COLNTY		NAME	
		anapolis R. G. E. Leekie, American House, naming and civil engineer.  J. M. Reid, Musquodobolt Harbor, mining engineer.			RICHARD E. CHISM, 3a Independencia No. 1. Avenida Pomente 6, No. 47. Mining expert and patent agent, National School of Minero Mexico, Publishes El Minero Mexico.	
Sherbrooke	Guyshoro	C. F. MONCKTON, mining engineer, dealer in mining properties, gold, coal and from			cano, the only mining journal of Mexico; established 1873. Organ of the righest class of Mexicans and	
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Marmora	.Hastings	G. L. Woodworth, mining engineer.	Magdalena	Solution	Ygnacio Bomilias, M. E., government	
Ottawa	Ottawa	ROBERT BELL, geologist, assistant director Geological Survey, Canada.			mining expert Magdalena District.	
		Geo, M. Dawson, geologist.			Dr. H. B. Butcher, mining engineer.	
		Eltric D. Jugraff, norming engines to			1 S. Austin, metallingist,	
		geological survey of Canada.			Arthur k Brewer, assayer and chemist.	
		Albert P. Low, Geological Survey, geologist and infining enganger. Alfred R. C. Selwyn, C. M. G., LL, D.			ELWOOD J. WILSON, E. M. man- ing eng meer and metalburgist, met- chnigist Compania Minera Fundi	
		F. R. S., director geological survey of Canada.			Jora y Almadora, Monterey.	
		J. Lainson Wills, M. U., 20s Albert st., mining expert, chemist and assayer	Parel us a	Hidago	FRED. W. BOWDEN, Williadgo St., by a fig. of gineer, sofveyor and assection	
Port Arthur	Algoma	A Longheed, civil and manning on	Partal	Chilosopa	$\operatorname{Tr}$ omas $\operatorname{U}$ -boyle, mining engineer.	
		WALPOLE ROLAND, C. F. M. L. Arthur St., topographical surveyo	Sin Felje	4 cod 3 d	Filward G. Luttle, mining engineer.	
		Russell & Co., Cameton St., to non- engineers and Lind serveyors		AU:	ZIR ALIA	
Sudbury	Algonia	James B. Gordon, exid and tuning engineer	Indias	fasi al i	B. P. EKBERC, mount engager.	
		James B. Hammond, Coon St., chem stand metaller, ist		1:15	(GLAND	
		Louis A. Borke, Ulm St., Surveyor, maning and envil engineer	London,	Mariosis	BAYLISS & ROBINSON, 34 Old Brone, st. b. C. in integrand consult- ing manners. See: Marysville,	
		A. D. MACDONELL Burning of			R J & Wm A techeville, as Broad Street av., unung engineers	
Sydenham	. Addington	James Foxton, William 81, non-ng and mechanical engineer.				
Toronto	Toronto	Wm. Hamilton Merritt, to boundest, incuming engineer and metallurgist		F.	RANCE	
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					EMILE COLLINS, to Me Aubet.	
	(-)	UEBEC				
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Wentreal	Montreal	Banganese, is a stos and copier  J. I. Donald, 124 St. James St., man- tic cuamiert and assayer.	Pararage - 1	ide li Genitia	J. J. SCHOFIELD, M. E. gold min- dia to the store Ry. African and Social Victorial matter and placer	
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Sherbrooke	Sherbrooke	C. A. Halsey, minang engineer			This is the	
				$\Pi$	NDURAS	

MEXICO

Catoree San Los Potos, FRANCISCO M. COCHLAN, Las-

Sonora, Frank W. Draich, maning engineer

Nuevo Leon (H. C. Harrison, margin (2) (c), at do (1) Sata Anta Anta Winna Co

#### $1 \times 101 \times$

A C A Siev maning engineer

P. Donne, 19 Ladi Bazar, v.y., minbal necesiisultina engine y



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San Francisco San	Prancisca	THOMAS O. HEYDENFELDT, 137 Montgomety St., Room 5, mining seey, and broker.			D. 1. EZEKIEL, Room 420 Mining Lychange, mining unvestment broker, member of the Colorado Spek Exchange, dividend stocks a		
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	**	Horace D. Raulett, 420 Montgomery— st., broker.					
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		stocks (See adv., page 14 W. H. Leonard, Hagerman Block, Room 13, mining stock broker			W. F. KENDRICK, Room 505 Min- ing Leiborge Bidg., mining invest- ments, official broker for the Ex-		
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		BAKER & FELT, 1035 Seventeenth st., bunkers and brokers.			Log , Stocks and mines, member togo ado Winnig Stock Eyeliange.		
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		CHAS. BLEIBEL, 1645 Curtis St., Room L., broker, mining stocks, bonds, etc.			London 2 Bidg a manual Stood between members on the condition of Manual Stood Paydrane and the condition of the specialty of calculation and mass and mass and mass and mass and mass and paydrane and the condition of the conditi		
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		agers of the Gold Mint Mining Co. Robt, H. Buck, 310 Mining Exchange, investments			Union mining stock oker mens and mang stocks tought ad sold. Special attention paid to only a from non tesidents.		

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		bodies, mines and mining lands, Missouri and Arkansas made a specialty.	Socorro, Socorro	Cheves & Dougherty, mine brokers H. P. Dickinson, broker and assayer
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		HAMILTON, LOWE & CO. (incorporated), Chamber Commerce Bidg., precions metals and ores, (see adv., page 14.)	New York New York	The American Metal Co., Etd., 86 Wall st., metal brokers.
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		KLING & STRICKLER, 123 La Salle st., brokers, promoters for the sale of mining properties, companies organized and capital secured.		Frances N. Gove, 16 Exchange pl. broker.
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**	**	J. V. Campbell & Co., 27 Larned St. W., bankers and brokers.		CEORGE R. WOOD, 53 Broadway mines and investment securities (See adv., page 546.)
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		Grant Wyati 302 Palladio Bldg., broker.		CHAS. H. POTTER & CO., to Superior st., stocks and mining in vestments.
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	211	SSOURI	Philadelphia Philadelphia	J. Wesley Pullman, 2388, Third st. broker,
Kansas City		P. W. KLINE & CO., 400 Keath Bidge, brokers.	Pittsburgh. Allegheny	C. M. CARRISON, 615 and 6b Lewis Block, copper ores, matter from and steel. (See adv., page 10.
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El Paso,	El Paso	J. D. Groesbeck, 701 N. Stanton st.,		. r. w	SIC NEW ICK
		broker: purchasing agent El Paso Smelting Works.	MillertonNort	thumberland	John J. Millet, mine dealer.
		UTAH		$\left( \cdot \right)$	NTARIO
Salt Lake City	.8alt Lake	John J. Cushing, Commercial Block, broker.	Rat Portage	. Algoma	John Kerr Bryden, broker.
	**	J. C. DAVIS, 25 Central Block, P. O. Box 1974, mining Stock broker	Sudbury	. Algonia	Jas. B. Hammond, Cedar st., dealer in mekel properties.
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**	**	J. H. Watts, 47 W. Second South St., broker.		$\mathbf{Q}$	UEBEC
	1.7	RGINIA	Montreal	Montreal	O. M. Harris, 200, 211 Commissioners st. htoker,
Fredericksbur:	e ottsylvania	I. G. Johnson, mining broker,			
Newbern		Edward Shelley, broker and mineral exhert.		VI	IEXICO
	W 18	HINGTON	Mexico	Mixer	Fe slavier of I Ertiz, 14 Calle of Cadena, bross :
Durham.	King	Pacific Investment Co.		E.	(GLAND
Scattle.	kmg	J. M. & I. W. Wilmans, Room 620 Barley Bldg., brokers			
Spokane.	Spokane	JOHN C. FISHER, Mining Excludinge, broker	London	Madebeses	JULIUS MATTON, 7-84 Mary ave, 1-4 no bounded hand agent for Mecherine bolend Mining Co., Ger- many Bensherg Zine Mining Co.
		Snow & Armstrong, 106 Riverside av., brokers			Berzelius, Germany Open tor- other agencies in metal

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ALABAMA		TOWN AND COUNTY		NAME
Town and County	NAME	Nevada City Contin		Fred Scarls, opp court-house, attorney at law.
Edwardsville . Cleburne	J. B. Merrall, attorney.	Oakland		Geo. E. Degolia, 257 Broadway, attor-
Fort Payne — De Kalb	Norfleet & Carey, attorneys.	1000 1100	10.1	ney at law.
Mobile Mobile	PILLANS, TORREY & HANAW, 74 st. Francis st., Rooms 5 and 6.	racervine	. El Porado	Irwin & Irwin, attorneys at law.
	74 st. Francis st., Rooms 5 and 6, afterneys at law, practice in all the			Chas. A. Swisler, attorney at law
	attorneys at law, practice in all the courts, state and tederal. Reper- ence: Any bank or reputable busi- ness house in Mobile, Compilers of Alabama Laws for The Mining	San Bernardin San	Bernardino	Harris & Gregg, attorneys at law.
	of Alabama Laws for The Mining Directory, Sec card, page 48 (	••	**	Chas J. Petkins, attorney at law.
	Price tody, a see said, page 18	San Francisco Sa	n Francisco	Dorn & Dorn, 306 Pine st., altorneys and counselors at law.
١	LASKA	**		CEO, A. JOHNSON, Il Sansone St.,
Juneau	JOHN C. HEID, attorney at law, Special attention given mining and commercial laws; titles examined do a general practice.			atterney and counsefor at law «Ex- atterney-general of California, Special attention given to the law of cotporations, commercial law, collections and settlements of dece- dents' estates. References, The
,,	J. F. MALONY, attorney at law, initing (titles examined and reported upon.			or corporations, commercial age- collections and settlements of dece- dents' estates. Reterences. The Mining Directory, National Legal Bureau, Eappan, McKillop & Co., J. B. Mattindide and Win F. Wernse & Co., Chicago, JR., Hubball's Ligal Directory and Stowy Chicale & Co.
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Tueson Pima	FRANCIS J. HENEY, attorney as law, mining and commercial busy- ness given special attention, col- lections prompily attended to Com- piler or laws of Autoom for The Min- ing Directory. See eard, page 18		('()]	ORADO
AR	KANSAS	Mamosa	Conspis	Z. I. Brown, afterney at law,
Greenwood Sebastian	R. T. Powell, lawyer.	Amorthyst	Sagain he	Rucket, Sputgeon & Cassaly, P () Box 517, afformers
Little Rock . Pulaski	C. B. MOORE, attorney at law Compiler of Vikansas law for The			Thomas & Thomas, P. O. Box (ca, law), yers
	Mining Ducetory, Commercial and mining Justices a specialty, colle- tions receive prompt aftention. See	7~10.0	Pitkir	Charles W. Franklin, attorney at law
	card, page 18.			Alebon, Herms, 5, 6, and 7. Hyman Block, attorney at lay
	AFOR NIA	Boulder	Boulder	Guy D. Duncan, Room 5 National State Bank Block, counselet at law
Auburn Placer	Benj, P. Labor, Rooms 5,6 and 7 Stevens Block, mining attorney.	Buena Vista	Chatter	6 K. Hartenstein, attorney at law.
	T. P. Tuttle, attorney at law,	central city	ь ра	chase Withrow, attorney at law
Crescent City . Del Norte	L.F. COOPER, 620 H st., attorney, lands, mines and redwood timber.	t olorado <b>s</b> prin.	28 Fl Paso	Collern & Dudiey, N. Nevida av., at- terneys
Grass Valley Nevada	<ol> <li>Burrows, mining lawyer and no- tary public.</li> </ol>			Harris & Kinsley, 2 and a Midland Block, attorneys at law.
	Kitts & Bowman, Main st., attorneys and notaries		**	J. E. McINTYRE, 1041 Pixe's Peak av., atterney at lace matatic, cem- mercial and realty lace
Los Angeles Los Angeles	Geo. B. Graffin, 714 Downey av., at- torney and counselor at law.	$\mathfrak{t}.\mathtt{rupple}.\mathfrak{t}.\mathtt{reek}.$	1 P.(80	Charles H. Adams, afternovat law
				W. G. Alexander, lawyer
	WELLS, MONROE & LEE, Rooms 11 to 18 Baker Block, attorneys for Union Paeifle By., National Bank of California, etc.: commercial and	Crystal .		C. J. S. Hoover, attorney at law
Marysville Auba	of California, etc.; commercial and mining law specialties J. H. Craddock, Ellis Block, attorney	Denver	Arapalow	BARTELS & BLOOD, lot los l'en- ples Bart Bldg attorneys at law, in ming dischess and collections re-
	and counselor at law.			cerve prompt attention Willis B. Herr, 500 and 500 I quitable.
Nevada City Nevada	Thomas 8, Ford, attorney at law,			Tada , attorney at law

Silver Chit

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518		THE MINING DIREC	CTORY—ATTORNEYS.		
Town in	n Cot NIV	Name		ĿΊ	JORIDA
Denter Arapahoe (Continued.)		MANLY & MOORE, \$15-817 Ernest & cranmer Blk., attorneys at law: real estate, mining and corporation law: counsel for numerous savings, loan, investment and mining com- panies; collection department.	TOWN AND COUNTY NAME		
			Bartow	. Polk	John L. Albritton, cor. Main st. and Fort Meade av., attorney at law,
		Depositions carefully taken. Compilers of Colorado law for The Mining Directory. (See card, page 19.)	Gamsville	Alachua	HORATIO DAVIS, attorney at law: practices in all the courts, state and lederal: special attention given corporation and mining laws;
		W. E. Richards, 615 Ernest & Cranmer Blk., attorney at law.			prompt returns on collections. Ref- erence, First National Bank of Gainsville. (See eard, page 18.)
		A. W. RUCKER, 501 and 502 Mining Exchange Bldg., attorney at law: practice in mining law exclusively.	Jacksonville	Duval	A. W. Cockrell & Son, 29 E. Forsyth st., attorneys at law.
	4.4	S. D. Walling, Tabor Blk., lawyer.	Leesburg	Lake	J. B. Gaines, Main st., attorney.
		T. J. Dram, Bank Bldg., mining attorney.	Ocala	Marion	John H.Burchell, Merchants' National Bank Bldg., attorney at law.
Durango	La Piata	M. J. McCloskey, attorney at law.			
Fort Collins	Laramer	Frank J. Annis, attorney at law.		(† ]	CORGIA
Fultord	.Eagle	J. I. Sampson, mining attorney.	111-1	12	T
Georgetown	.Clear Creek	C. T. Roberts, mining attorney.	Blairsville		J. A. Butt, attorney at law.
Glenwood <b>&gt;</b> pi	ings.Garfield	John T. Shumate, 1004 Bennet av., attorney at law.	La Fayette	Walker	Copeland & Jackson, Main st., attorneys.
Gimmson	Gunnison	Alexander Gullett, attorney at law.		1	DAHO
	* 1	Dexter T. Sapp, mining lawyer.			
Montrose	. Montrose	Sherman & Twitchell, mining and general attorneys.	Salmon City	Lemhi	Ralph P. Quarles, attorney at law.
New Castle	Garfield	Arthur L. Beardsley, mining and com- mercial attorney.		11.	LINOIS
Ouray	Ouray	Story & Stevens, attorneys at law.	Chicago	Comb	BALL & BARRETT Soits for the
Pueblo .	, Pueldo	John A. Collins, 3213; Santa Fe av., attorney at law.	Cincago	COOK	BALL & BARRETT, Suite 1501-1504 Unity Bldg., 79 Dearborn st., aftor- neys and counselors at law.
		J. E. Rizer, Graham-Wescott Blk., attorney at law.	**		DAYTON, POOLE & BROWN, 215 Dearformst., patent solicitors, (See eard, page 12.)
Red Cutt	Eagle	A. R. Brown, attorney			ROSS & TODD, 185 Dearborn st
		S. N. Hoover, attorney at law. Chas. K. Phillips, mining and com-			Rooms 13 and 14, attorneys and counselors at law. (See card, page 529.)
		mercial attorney.			St. John S. Morgono, In Douglases at

#### CONNECTICUT

Harttord	EPAPHRODITUS PECK, 130 Main
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	at law, Compiler of Connecticut law for The Mining Directory.

Custer McNeely & Watkins, attorneys.

sts., attorney. San Mignel, W. H. Galdbert, afterney at law,

Huertano, R. R. Ross, attorney at law.

San Juan C. M. Frazier, cor. Tweltth and Ruse

Reterences References Bristol Savings Bank, Bristol National Bank, Bristol Copper & Silver Mining Co. (See eard, page 18.)

CLARK VARNUM, Sinte 414 Chamber of Commerce Bidg, attorney at law. Especial attention given to important cases and non-resident business. Has as permanent correspondents and associate counsel a leading nember of the form every city of importance in the United States. References grow whenever and whenever required, associated pages 2585. Danville Vernithon Edwin Winter, 414 Franklin st., attorney at law.

. Will Higgins & Akin, Room 21 Court-House, attorneys at law. Johet

counselors.

8t, John & Merriam, 79 Dearborn St., 100t 1004 Unity Bldg., attorneys and

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Warren, W. P. Rhodes, attorney at law. Williamsbort

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Centerville Appaneose T. M. Fee, attorney at law.

Polk, W. G. Harvison, Clapp Block, after-Des Momes ney at law.

Mahaska, J. F. & Wm. R. Lacey, attorneys, riskaloosa

Town an	D COUNTY	NAME	fows and	COUNTY	NAME	
What Cheer	.Keokuk	C. M. BROWN, 1 and 2 Savings Bank Block, attorney at law. Member of American Attorneys' Association. Compiler of lowa laws for The Mining Derector.	Greenfield Pattstield,		Frederick L. Greene, eor. Main and Federal Sts., attorney at law. Pingree bawes jr. & Burke. 26 Bank row, attorneys at law.	
		Mining and commercial law a speciality; collections promptly at- tended to: (See eard, page 18.)	MICHIGAN			
	K	A NBAB	Jackson	Jackson	Wilson & Cobb, attorneys at law.	
Girard. Hutchinson		Fuller & Randolph (see Pittsburg). Whiteside & Gleason, 24-8, Main 8t., attorneys at law.	Norway	.bickinson	R. C. FLANNICAN, afterney at law, compiler of laws of Machigan for The Mining Directory, Corporation, mining and commer- cial law a specialty.	
Lyons		Jean F. Webb, mining attorney.		VIIN	NESOTA	
Ness City		Geo, S. Redd, attorney at law.		VII.\		
Pittsburg : Office als	r. Crawtord out Grand.	FULLER & RANDOLPH, special attention given inting and confine real fit gation and codections. Resident attorneys  A. T. & S. F. R. R.  C. & P. Coal & Mining Co.  St. L. & S. F. R. E.  First National Faink, coratel.	Dulnth	St. Louis	A. E. McMANUS, Room 203 Palla- dio Bible, attorney at law, mining and commercial law a specialty, collections promptly attended to, Reterence, any bank or business house in Duluth, See card, page 528.	
		PittSburg & Midway Coal Co. Franklin Coal Co. (See card, page 16)	**		Geo, W. Mann, 214 Chamber of Com- merce, attorney at law.	
Pleasanton	Laun	W. W. Met ullough, afterney at law.	**	**	Herbert R. Spencer, 218 W. Superior st., attorney at law.	
	KE	NTUCKY			Tinkham & Tinkham, to and to West Superior st., attorneys at law.	
Louisville.	Jefferson	W.O. HARRIS sound at Bull Block, attorney at may clate Judge of Louis	Minneapolis	Hennepa	Chas, B. Holmes, 645 Guaranty Loan—19ldg., attorney.	
	attorney a cave and a dragger from the law and equity court. Prompt attention given all commercial business intrusted to my cate. So card, page 19.	St. P., 01	Ramsey	William Foulke, 25 and 26 National Corman American Bank, attorney.		
Whitesburg	Letelier	D. D. Fields, attorney at law.		<b>NII</b> :~	818811,1,1	
New Orleans		FRANK L. RICHARDSON, 7 camps 1, Morris Eddg., attories at law admired transformation and edge-tors a specialty. See early, p. in.	Aarkson	Hands	BRAME & ALEXANDER, attorneys it any, reporters of the superime control of the superime control of the superimental properties of the control of the superimental properties at the superimental properties of the superimental properties and control of the superimental properties of	
	١	JAINE		MI	SSOURI	
Machias	Washington	C. B. DONWORTH, Donworth Blk., Main st., attorney and counselor at	Aslitena	(25 cps	Harvey Marray - Horney at law	
		law.	Vites i	Levience	H. H. Bloss, attorney at law	
		Collections receive prompt after- tion (See earld, page 19.)			Catt McNatt, cor. Office and Madison - av., attorney at law.	
Portland	Comberland	Frank & Larrabee, 485 Middle St., at torneys and counselors at law	Carboville	Jasper	Joseph Pountain, I., Main st., attor- ney at law	
			Carthage	Jasja (	H. I. Harrison, six Clinton st., after new at law.	
		RYLXND			Harrison's Harrison, S. L. corner of Square, attorneys,	
Baltimore	. Baltimore	ettliott & Hoffman, budy Record Bldg., cor. Fayette and St. Paul Sts., attorneys at law	Prodetaktowa	Madison	$B\cdot B\cdot \epsilon$ alreon, afterney at law	
		sts., attorneys at law Special attention given commer- cal, real estate and mining litiga- tion. See eard, page 19.5	Jopha	Jasper	JAMES P. MEAD, N. W. cor Third and Mannists, attorney at law and notary public.	
					Chas. H. Montgomery, 217 Main 81.	
		CHUSETTS			A. F. Spencer, Berr Block, afforney at law.	
Boston	Sulfalk 	HERBERT L. BAKER, John Han- cock Bildg., 178 Devoishire st. and 35 Federal St., attorney at law, gives	Kansas City	, Jackson		
		special attention to commercial and mining litigation. See card, page 19.			Hatt & Van Valkenburgh, Rooms 829, 830 and 83t New York Life Jusur- ance Bldg., attorneys	
		WALTER L. CHURCH, 9 Franklin St., imming and commete adapterney. Six years' practical experience in Colorado and Nevada mines.			Richard H. Stewart, 766 Wall St., at torney.	

NEVADA NAME TOWN AND COUNTY Jackson TRABER & McNEIL, Rooms 305, 308 and 300 Long Bros. Bldg., attor-neys at law (motary moffice). Spe-TOWN AND COLNEY NAME Kansas City Continued e al attention given to mining and Battle Mountain. Lander JAMES F. DENNIS, attorney at all kinds of commercial litigation Prompt returns assured on collec-See card, page 528.1 Elko Elko E. L. Farrington, attorney at law. .. Buchanan JOHN DONIPMAN, 413 Francis st., attorney and mining law, prest. 8t. Joseph & Cripile Creek Mining Co., and banjplan Tin Co.; practice St. Joseph Ely White Pine Frank X. Murphy, attorney at law. Lincoln CEORCE S, SAWYER, Lacour St., Lynch's Block, attorney at law; special attention given to business of mining companies; collections promptly attended to. Compler of Nevada laws for The Mining Directory. (See card, page 2828) Proche in state and United States courts. Greene John W. Jump, Rooms 2 and 3 Green County Bank Bldg., attorney. Springfield A. Pamell, Main St., opp. court-house, attorney, notary public and abstractor. Crawtord E. Steelyille Storey W. E. F. DEAL, Bank of Cahfornia Bildg., aftorney at law. Twenty-nine years' experience in mining litigation and mining titles. Reter-ences. Bank of California and Nevada Bank of San Francisco. Virginia City .. Webb City . . . Jasper Luems L. Wittich, attorney. West Plains ..... Howell L. B. Harris, attorney. C. E. Mack, Rooms 6 and 7 Odd Fel-MONTANA lows Bldg., attorney at law. Yellowstone O. F. Goddard, attorney and counselor at law. NEW HAMPSHIRE Billings . Galletin | Luce & Luce, commercial attorneys. Nashua Hillsboro H. A. CUTTER, 76 Main st., attorney at law (commissioner for Massachusetts); commercial and Bazeman. . Silver Bow. E. H. Irvine, Son & Co., 21 E. Gramte Potto massaciuseus); commercial and real estate law a specialty. Prac-tice in all courts. Collections re-ceive prompt attention. (See card, page 529.) st., attorneys. F. T. McBride, 122 N. Main St., attornev at law. Meagher Miller & Peavey, mining attorneys. Costle NEW JERSEY Deer Lodge "...Deer Lodge H. R. Whitehill, attorney at law. Beaver Head - Emmett Callahan, 150 Main St., attor-Dillon. Mercer LOWTHORP & OLIPHANT, 132 E. State st., attorneys and commerced or at law, corporation and commercial law, practice in state and federal courts. (Sec end, page 529.) Trenton ney at law. Cascade: Cooper & Pigott, 83 and 84 Tod Bldg., Great Falls attorneys at law. H. A. Day, Dunn Block, Central av., numng and commercial attorney. NEW MEXICO Helena Lewis and Clarke [8, A. Balliet, 18b2 8] Main 8t., after-Alex, C. Botkin, 109, 113 and 111 Gran-ite Block, mining and commercial Bernalillo Warren, Fergusson & Brarer, First National Bank Bldg., attorneys. Albuquerque attorney Cerrillos Santa Fe. Chas, F. Easley, attorney at law. DAVID B. CARPENTER, Room 10 Barley Block, attorney at law, gen-eral practice in corporation, mining. Grant S. M. ASHENFELTER, Wormser Block, Silver av. attorney at law, special attention given to mining. Denung. era practice incorporation, finning real estate and commercial law. Special attention giving to mining largation, collections, etc. (Seccard, ommercial and real estate litiga-Hillshoro Serra A. B. Elliott, attorney at law. d. A. Carter, attorney at law. H. R. Causly, Granite Block, attorney F. W. Parker, attorney at law. at law Las Cruces Dona Ana S. B. Newcomb, attorney at law. MILES J. CAVANAUCH, Room 9
Barley Block, mining and commer-Grant JAMES S. FIELDER, attorney at law. Reference, The Silver City Silver City eral attorney. law. Reference, The Silver City National Bank. Mining law a John B. Clayberg, cor. Main and Ed-wards, attorney at law. specialty. A. M. Clements, attorney at law. 11. 1. Piekett attorney at law-John M. Wright, attorney at law. For usend Meagher, J. L. Kanouse, Broadway, attorney, White Sulphin Springs Meagher Socorro Cheves & Dougherty, Abryta Block, Sacorro Thompson & Maddox, attorneys at attorneys at law

#### NEBRASKA

Laucoln

l'ancaster STEVENS, LOVE & COCHRAN, Newman Block, attorneys at law, Newman Block, attorneys at law, general law, equity and corporation general law, equity and corporation practice, with special attention to commercial businesss. Refer to any bank in Lameour, James I. Wanker Lambett & Co., Chicago, Continen-tal Building & Lonn Assa, Kansas (13), Omalia, Oil & Faint Co., Omalia, First-class, retreence will be furnished in any large city in the United States, (See card, page 228).

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Lincoln B. H. Dye, attorney at law.

James G. Fitch, attorney at law.

H. B. Hamilton, attorney at law.

Gouverneur St. Lawrence Conger & Orvis, attorneys at law. . Washington Jurden E. Sceley, Main st., attorney and counselor at law. Granville New York New York, J. F. Crosby, 54 Exchange pl., attorney at law.

White Oaks

		THE MINING DIREC	TORY—	-ATTOR	NEYS. 521
Tows	ND COUNTY	NAME		0	REGON
New York New Y			TOWN AND COUNTY		NAME
(Continued.)	Commercial and mining higation specialties.  Prompt attention given collec-	Baker City	Paker	Frank L. Moore, attorney at law.	
		tions. (See eard, page 529.)			L. M. Robinson, Main st., mining attorney.
		A. P. Smith, 261 Broadway, attorney at law.	Grant's Pass	alosephine	ROBERT C. SMITH, First National Bank Bidg., attorney at law, mining and commercial liftgation a spe- cially collections promptly attended to.—See card, page 530
	CORTI	I CAROLINA	Jacksonville	Jackson	C. W. Kahler, California St., attorney at law.
High Point	Cuiltord	Edwin D, Steele, attorney at law.	Portland	Maltnomah	G.O. Holman, 4 Washington St., Wash-
Morgantowi	Burke	M. Silver, attorney at law.			ington Bldg., attorney at law.
Salisbury	Rowan	R. Lee Wright, Legal row, attorney at law.	,		Zera Snow, Concord Bldg., attorney at law
**	. "	Lee S. Overman, afterney at law,		PENN	SYLVANIA
Webster	,lackson	WALTER E. MOORE, attorney at law, prompt returns on collections.	Allentown	Lehreh	Samuel J. Kistler, attorney at law.
		mining and commercial law a spe- cialty. (See eard, page 529)	Bedford		John M. Reynolds, attorney at law.
			Bethlehem		J. B. Kemerer, Globe Bldg , Main St., attorney at law and notary public.
	NORT		+ learticld	Clearfield	Oscar Mitchell, Market st., attorney at law
Fargo Cass	Cass	SPALDING & PHELPS, attorneys and counselors at law, practice in all the courts, state and federal, commercial and real estate cases a specially, collections promptly at tended to. See earl, page 526.	Faston	Southampton	N.D. Chase, 57 Centre Square, attor- ncy at law.
			Manch Chen	is Carbon	$\begin{array}{cccc} Frevinan & x & Heydt, & 76 & Broadway, \\ & attorneys at law, & & \\ \end{array}$
			Pittsburg	Allegheny	HUDSON & McCUE, 100 Damond st. attorneys at law; collections, cotporation law, mining, etc.
		OIIIO			Chas, to Mellyani, 403 Grant St., attorney at law
Ashland		Byron Stilwell, 92 Main st., afterney at law.			M. H. Stevenson, 170 Fourth av., attorney at law.
Bellaire		Gallahet & Woodbridge, over post- office, afforneys at law.	Pit(ston	Theories	Geo S. Fier's, cor Main and Wills anists automovatility.
Cleveland	Cuyaboga	ROBERT E. McKISSON, Metcan tile Bank Bldg, attorney and coun- selor at law, corporation and com-	Polisville	5ch Alkill	Pergus to Farquhar, these centrest at later at law
		meterallaw, estates settled, prompt personal affection given to legal collections, attorney for The Debold Sate & Lock to a The Other Heating & Plantons Manig to The there are a Plantons Manig to The Teveland Window Class to a Hierarchiaks Worse to a H. W. Hilbbard, Esq. and Henry Koobol. Esq. etc., etc. [18] and the property of the Control Manigation of the Control Manigation of the Control Manigation of the Property of the Property of the Property of the Manigation of the Property of the	**		Edmand D. Smath, 113 S. Centre St., attorney at law.
			Reading		Crim attant & Bald, 5.4 Wash ngton- st., attorneys at law
					thas I. Hawtey 20 Wyoming avil afterney at tack
					Charles H. Welles, 11s Wyoming av , afformer at law
			Unontown	Lovette	Boyd & Umbel, 42 F. Main St., altor- nev at law
Columbus	Lrankin	Depositions taken. Notary public in office. See eard, page 529.			CEORGE M. HOSACK, 42 F. Main straille's Variant, practice mail courts
		FINCKEL & FINCKEL, Room 6t, Wesley lik, attorneys, patents and patent hitigation, special attention given to mining inventions.	Wilkes Barre	Такты	SIDNEY R. MINER, 27.8 Tranklar stockholm of a conditional poli- le. The high attention given to all level business. Titles a comment
Fostotia	70 live a	CHAS. C. BARND, S. I. cor. Wood and rockersts attorney specially, patents and royalties.			legal busin 88. Littles examined collections made. Represent Wy- sin ng National Bank, Wikes Barrie, See card, page 530.
New Lisbon		N. B. Billingsley, attorney at law.			Henry W. Palmer 9 Frankly st
		Conrad Hune, E. Walnut St., attorney at law.			attetrev

#### OKLAHOMA

athire Logan WILLIAM BLINCOE, attorney at law, special attention given to commend and real estate law, do a general practice. So card page 529

Scarlott Branfott ELLIOTT & TOWNSEND, Bay 81, alternative of percentage as a constant bar of percentage as specially Infinitely affection 2 Ayr resource axis are prompt to furnishment. Seconds, page 500.

SOUTH CAROLINA

Spartance is Spartance as  $X_{\rm tot}$  als  $X_{\rm tot}$  Moore  $X_{\rm tot}$  Massic x states

Castleton

Rutland Bromley & Clark, attorneys at law,

#### SOUTH DAKOTA

#### VIRGINIA

throughout West Virginia a Spe-cialty.

References, Second National Bank and Parkersburg National Bank, Parkersburg, W. Va. (See card, page 531.)

SOUTH DAKOTA		VIRGINIA			
Town and County	NAME	TOWN AND COUNTY	NAME		
Deadwood Lawrence	MARTIN & MASON (Eben W. Martin, Norman T. Mason), attorneys at law; special attention given mining litigation. (See eard,	Amelia Court House Amelia	H. Meade, attorney at law.		
	neys at law; special attention given mining litigation. (See eard, page 530.)  Moody & Washabangh, attorneys at	Christiansburg Montgomer	PHLEGAR & JOHNSON, attorneys at law; commercial and mining law a specialty; collections promptly at- tended to, 8 sec card, page 34.)		
Hermosa, Juster	law. C. J. Patton, 11 Vilas St., attorney.	Fineastle Botetour	t C. H. Vines, commercial and mining attorney.		
	Loomis S. Cull, Chicago av., attorney	Fredericksburg			
	at law.  Wood & Tarell, Booms 4, 5 and 6 Lakota Block, mining attorneys.	Spottsylvania	J. C. JOHNSON, attorney at law. References. The Bank of Fred- er.eksburg: American Exchange National Bank, New York, Will examine and report on inheral properties and titles in Virginia.		
TEN	CNESSEE	Louisa .Louis	r. R. L. Gordon, attorney at law.		
1 1 1 1 1		Radford. Montgomer	Hoge & Hoge, Briggs Bldg., attorneys at law.		
Centreville Hickman	W. P. Clarke, attorney at law.	Richmond Henrie	JAMES LEWIS ANDERSON, 1 and g Goddin Hall, cor. Eleventh and		
	Webb & McChing, 148 Gay st., attorneys at law.		Bank sts., attorney at law; prompt attention given mining and com- mercial cases, collections, etc. (See		
Nashvili bavidson	BURCH & WALLER, Rooms 31- at coles Bidg, attorneys at law, practice in all the courts, state and federal, commercial httgation a specialty. Compilers of Temessee laws for The Mining Directory.	\\`.\ <i>\</i>	ear I, page 531.) SHINGTON		
	(See card, page 530)  SMITH & DICKINSON, 230'- N. Cherry St., attorneys and comselors at law, do a general practice.	Black River Falls Jackson	i Geo. M. Popham, attorney at law, collections.		
Rozetsville . H.,wkins	ors at law, do a general practice.  Smith & Chestnutt, attorneys at law.	Everettsnohomis	N. D. WALLING, attorney at law: mining law a specialty.		
		Tairhaven Whateor	Thomas G. Newman, Mason Block, attorney and counselor at law.		
1	EX 18	New Whateom - Whateon	1 Black & Learning, cor, Elk and Holly- sts., attorneys at law.		
El Paso El Paso	N. B. BENDY, 212 El Paso st., attorney actaw, practices in all courts.		at law		
	a transfer of transfer of transfer to bread and		<ul> <li>Thomas B. Higgins, Jamason Bidg., attorney at law.</li> </ul>		
	maing law, negotiates mines and lands in Texas, New Mexico, Art- zona and Republic of Mexico, titles to mines and lands examined, mining charters obtained for cor- porations (See card, page 55).		JONES, VOORHEES & STE- PHENS, IIvde Block, attorney- at law, practice in all the courts, special attention given to mining and commercial business, collec- tions promptly attended to. (See		
	d. F. Crosby, attorney at law.		Carrie paraciona,		
	John Mitchell, is Bronson Block, at- torney at law.		Willis H. Merram, Rooms 6 and 7 P. O. Block, mining attorney		
	UTAH		Pinlip Stantord, 49 and 20 First Na- tional Bank Bldg., attorney		
		FacomPacre	LEO & JORDAN, Rooms 200 and 210 National Bank of Commerce Bildg, attorneys; practice in all the courts. Reference, Columbia Na- tional Bank, Tacoma, (See card, page 531.)		
	BOOTH, LEE & CRAY, as 65 commercial Block, mining corporation, insurance and commercial Bigaston, will gracter in all courts, and ton, will gracter in all courts, and ton, will gracter in all courts, and apparatuent of the interior, collections promptly attended for Roberto American National Bank, Coumercial National Bank, Petro Manng to, Saft Lake city, Pfah, Other references turnished on application. See early page 300.		DR. WILLIS E. EVERETT, 1318 E. St. South, mining lawyer		
			J. F. Ramage, 1314's Pacific av., non- ing attorney.		
		Whateon Whateon	i. J. C. McFadden, Holly St., attorney at law.		
	Grant II. Smith, 15 Second South st., mining lawyer.	WEST	° VIRGINIA		
	D. H. Wenger, 21 and 22 Central Block, mining attorney	Parker-burg Woo	MEDDICK & SMITH attainers of		
	RMONT	ERREGADILE WOO	MERRICK & SMITH, attorneys at law, practices in Wood, Wirt, Rat- chie, and Pleasants count as in federal courts and court of ap- peals, torporation, commercial and mining law, collections, real estate litigation and contested claims		
Burlington Ciuttenden	J. W. RUSSELL, afterney at law, special attention given commercial httgathon, and collections. (See card, page 53).		throughout West Virginia a spe- cialty. References, Second National Bank and Parkersburg, W. Va. (See eard,		
	the state of the s		THERETSONIES, W. Val. 1 St. Colon.		

#### WISCONSIN

#### ONTARIO

Town	SD COUNTY	NAME	TOWN AND	COUNTY	NAME
Milwankee	Milwaukee	Harold W. Nickerson, Rooms 4 and 5 Mack Block, attorney,	Belleville	Hastings	Ponton & Morden, Bridge 8t., solicitors, notaries,
	**	Turner & Timlin, 105 Grand av., attorneys at law.	Kingston	Kungston	Joseph Bawden, 38 Clarence 8t., bar- rister and sohertor.
Raeme	.Racine	COOPER & NELSON (H.A. Cooper, Peter Bering Nelson, attorneys and		- "	Macdonnell & Mudie, as t larence st., barristers, solicitors, notaries.
		counselors (notary in office). Com- pilers of the Wisconsin laws for The Mining—Directory and Reference	Ottawa	Ottawa	Chrysler& Lewis, 7 Ontario Chambers, attorneys
	Book. Special and prompt attention given to corporation imming and general commercial higation in all state and tederal courts. Refer- ences. Racae - Union National Bank, West Shore, Lumber (o.,			McLEOD STEWART, 14 Metealie st., barrister, soliettor Camadian Anthraeite Coal Co., mining law a speciality.	
		Kelley, Weeks & Co. Lumber Co., M. M. Secor Trunk Co., and any	Perth	Lamark	J. A. Allen, Gore st., barrister, solicit- or, notary public.
		other bank or business house in the city. (See card, page 531.)	**	**	Elliott & Rogers, Foster st., barris- ters, solic, tors and conveyancers
Shullsburg		A D Sunpson, attorney at law	Port Arthur	Maonia	Thos A Gorham, Cumberland St., afforney at law,
	**	1 (7)(1,8(1	Rat Portage	VI_onia	ROBINSON & LANCFORD, bar
Latarine	Albany	Nellis E. Corthell, attorney at law			risters, solicitors, notifies public, etc., mining and commercial busi-
Saratoga	Carlson	$\mathcal{A}(1)$ ( rawford, afterney at law			ness a specialty, collections re- ceive immediate attention and prompt returns made. Local solic-
BRITISH COLUMBIA				itors for the Imperial Bank of Can- ida - 8 weard, page 53.	
Kamboops	Yale	Friederick J., En Son J., Ster, Sala- ilot, hotary pasts	* 11 *1) Mar	Marino	Heist & McKay, Queen st., bar 1986 (8)
	3.1.4	N. 1926 . 1	Suchany	2 11 44 DE	L.L. Universe, Horney,
		XITOBA	Totals	r gonto	Cheries Henderson, 28 and 30 Toronto st. Naturisler, solic for, notaty
Wantapeg Wantapeg	HOUCH & CAMPBELL, Melatric Bilk Manust Isaac ampleed, (j. t.) J. Shin'ev Hough, barristers etc.			$\begin{array}{lll} J = \chi - W \oplus_{i \in Int} (z - \lambda) defined & si = 1 \ ist, \\ - b_{i,i} \oplus_{i \in S} stee & solicitor, induty \end{array}$	
		How general practice. See early page 31	Wepdsor	1 *** 1	A. H. Chebo, Medbury Block but ster if law
	$\times$ EW 1	BRUNSWICK			
		QVIIBIIC			
Dorellester	Westmoreland	EMMERSON & CHANDLER, but Usbets and attorneys practice and the the courts of the dominion and province, special attention to com- neces and another incompleting at the cour-			
			Victor	Off twit	There is $\Gamma = \Gamma \alpha$ and Main sterattorney of $\gamma^{\alpha}$
	lections receive prompt attention (See early, page 53)	Shi	*) crtorodo	What & Core M. Ban's Block for a stress indeed as	
	$\Sigma \cap V$	\ \( \times COTT\			
Bridgetown	Annapolis	JOHN ERVIN, Que in st., bate ster, substitution to the act of public section.		11	EXICO
		for Fortwook Iron Co	cr. M		Y. SEPULVEDA, Contr. No.7 100
Windser	Hants	A. E. SHAW, L. I. B. of Wilder st but ister, solution and notary pub- lic commercial of mining bus tiess a spec. Ity			ne that and manual titles (Name to a stribs, provileges and translases secured practices before a the departments

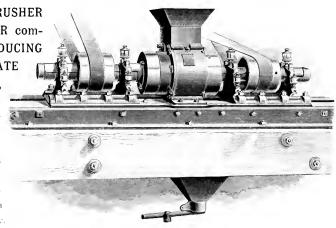


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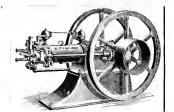
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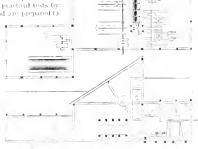
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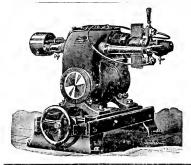
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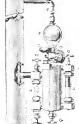
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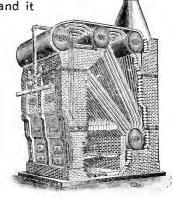
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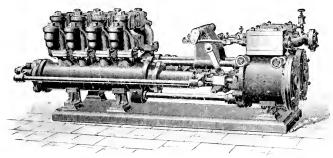
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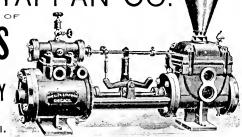
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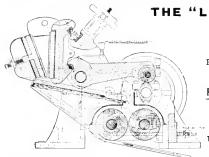
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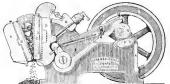
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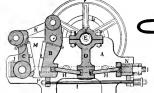
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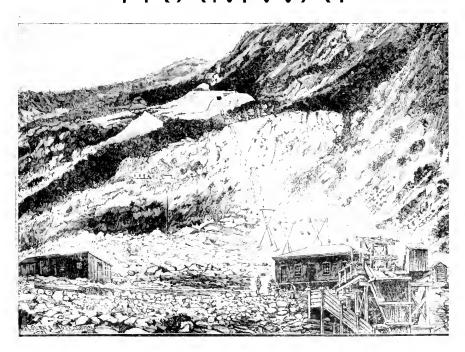
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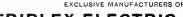
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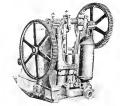
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